

# JVC

## SERVICE MANUAL

LCD PANEL TELEVISION

**LT-40X667<sub>/S</sub>, LT-40X787<sub>/S</sub>,  
LT-40X887<sub>/S</sub>**



[LT-40X887/S]

BASIC CHASSIS

FL4

*I'Art*<sup>TM</sup> PALETTE

**GENESSA**

**HDMI**<sup>TM</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**i HDTV**

**DCR** **DOLBY**  
DIGITAL

**MaxxBass**<sup>®</sup>

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# SPECIFICATION

Items		Contents
Dimensions ( W × H × D )		100.0 cm × 73.4 cm × 32.5 cm (39-3/8" × 29" × 12-3/4") [Included stand] 100.0 cm × 67.1 cm × 11.8 cm (39-3/8" × 26-5/8" × 4-5/8") [Included stand]
Mass		31.0 kg (68.2 lbs) [Included stand] 25.0 kg (55.0 lbs) [TV only]
Power Input		AC120 V , 60 Hz
Power Consumption		257 W (Max)
TV RF System (Analog / Digital)	Analog Digital	CCIR (M) ATSC terrestrial / Digital cable
Color System (Analog)		NTSC
Stereo System (Analog)		BTSC (Multi Channel Sound)
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency (Analog)	VHF Low VHF High UHF CATV	02 ch - 06 ch : 54 MHz - 88 MHz 07 ch - 13 ch : 174 MHz - 216 MHz 14 ch - 69 ch : 470 MHz - 806 MHz 54 MHz - 804 MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99
TV / CATV Total Channel		191 Channels
Intermediate Frequency (Analog)	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5 MHz)
Color Sub Carrier Frequency (Analog)		3.58 MHz
LCD panel		40V-inch wide aspect (16:9)
Screen Size		Diagonal : 101.5 cm (H:88.5 cm × V:49.8 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		10 W + 10 W
Speaker		6.6 cm (Oblique type × 2), 6.6 cm (Woofer type × 2)
Antenna Terminal (VHF/UHF, ATSC / DIGI- TAL CABLE IN)		F-type connector, 75Ω unbalanced, coaxial × 1
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1] 1125i / 750p 525p / 525i S-Video [INPUT-1/2] Video Audio	RCA pin jack × 3 Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 2 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3 500 mV (rms), High impedance, RCA pin jack × 6
Digital input [DIGITAL-IN 1/2]	Video Audio	HDMI 2-row 19pin connector × 2 (Digital-input terminal is not compatible with picture signals of personal computer) Digital: HDMI 2-row 19pin connector × 2 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 3-row 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)
Audio output		250 mV (rms), Low impedance, RCA pin jack × 2
iLink Input/Output		TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible
Digital Audio Optical Output		Digital SPDIF × 1
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C18G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

# SECTION 1

## PRECAUTION

### 1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (  $\Delta$  ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**  
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (  $\perp$  ) side GND, the ISOLATED (NEUTRAL) : (  $\equiv$  ) side GND and EARTH : (  $\oplus$  ) side GND.  
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

#### (6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

##### a) Dielectric Strength Test

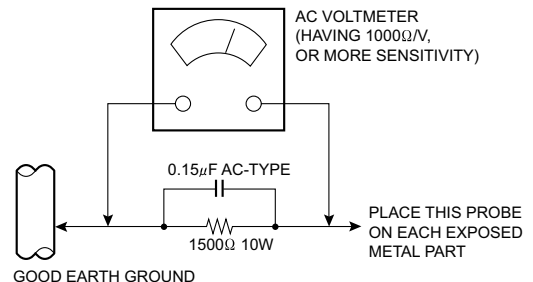
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

##### b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

##### Alternate Check Method

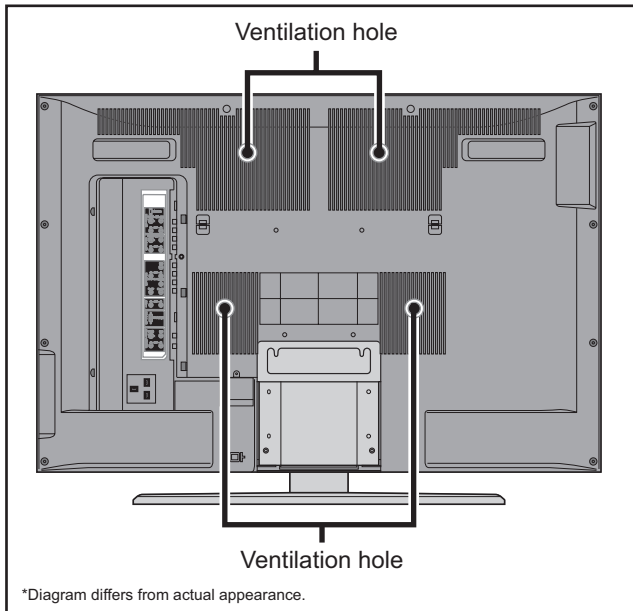
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 INSTALLATION

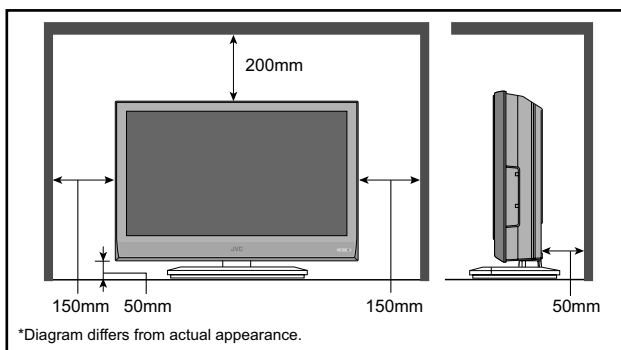
### 1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.



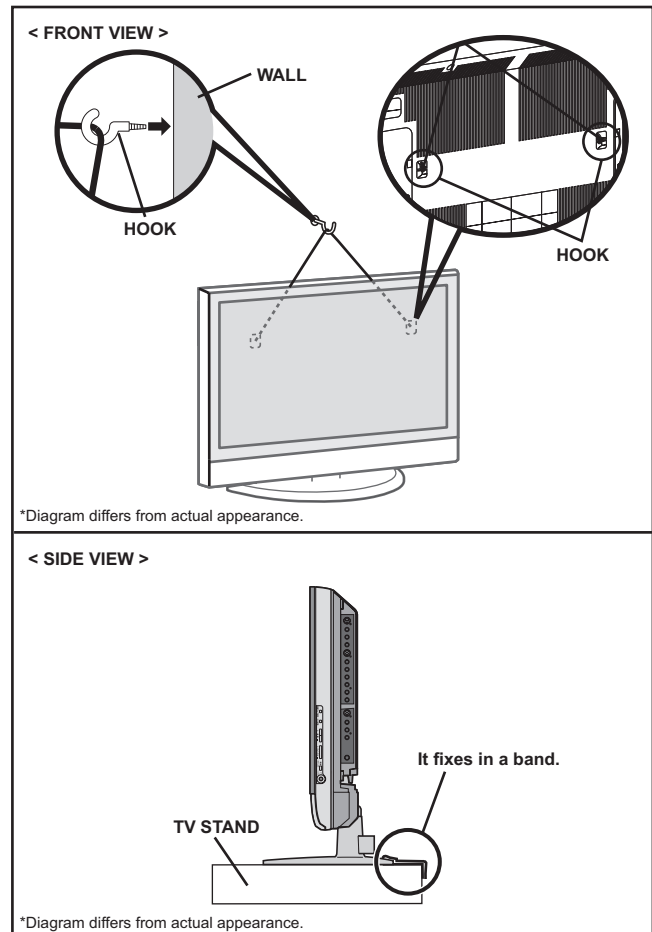
### 1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



### 1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.



### 1.2.4 NOTES ON HANDLING

#### (1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

#### (2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

### 1.3 HANDLING LCD PANEL

#### 1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

- (1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**  
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.
- (2) **ATTACH PROTECTION SHEET TO THE FRONT**  
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.
- (3) **AVOID VIBRATIONS AND IMPACTS**  
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.
- (4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**  
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

#### 1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

#### 1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular color.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

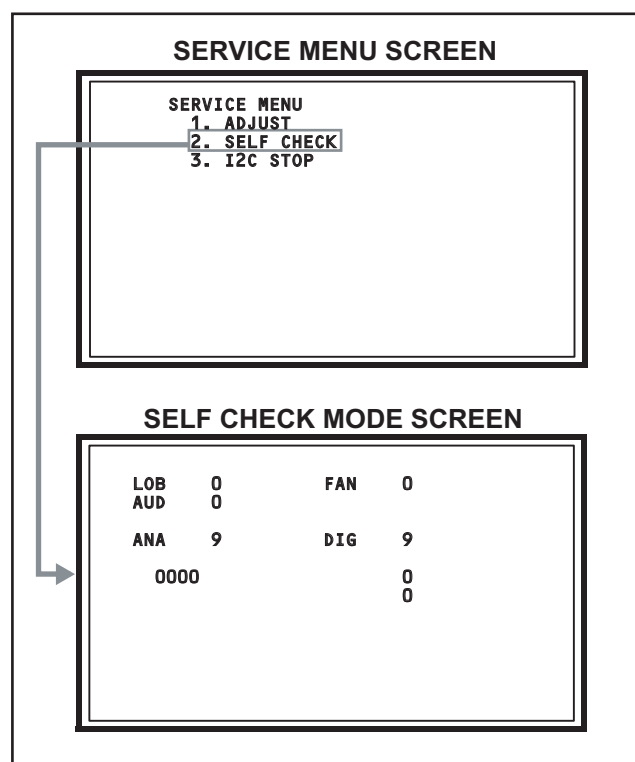
## SECTION 2

### SPECIFIC SERVICE INSTRUCTIONS

#### 2.1 SYSTEM SETTING

Be sure to carry out the following operation at the end of the procedure.

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
- (3) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



#### 2.2 FEATURES

##### D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

##### Color Management

This function ensures dull colors are compensated to produce natural hues.

##### Picture Management

This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

##### Smart Picture

This function detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.

##### DIGITAL VNR

This function cuts down the amount of noise in the original picture.

##### MPEG Noise Reduction

This function effects the block noise removal and mosquito NR simultaneously.

##### Sensor Effect

With Sensor Effect ON, a "leaf" icon will appear on your TV screen when Smart Sensor brightness adjustment occurs.

#### 2.3 MAIN DIFFERENCE LIST

Item	LT-40X667/S	LT-40X787/S	LT-40X887/S
FRAME COLOR	SILVER	SILVER	BRACK
GRILL COLOR	BRACK	SILVER	BRACK

## 2.4 TECHNICAL INFORMATION

### 2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

#### 2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions ( W × H × D )	95.2 cm × 55.1 cm × 5.2 cm
Weight	11.5 kg
Effective screen size	Diagonal: 101.5 cm (H: 88.5 cm × V: 49.8 cm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total
Pixel pitch (pixel size)	Horizontally: 0.648 mm, Vertically: 0.648 mm
Displayed color	16777216 colors 256 colors for R G and B
Brightness	500cd/m2
Contrast ratio	1200 : 1
Response time ( Tr + Tf )	less than 16 ms
View angle (Horizontally)	178°
View angle (Vertically)	178°
Surface polarizer	Anti-Glare type Low reflective coat
Color filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp × 20
Power supply voltage in LCD	5 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

#### 2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

##### ■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

##### ■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B color and find out the cell that is not lighting.

##### ■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB color and find out the cell that is flashing on and off.

## 2.4.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	P4.3	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	P4.2	O	Not used
3	P9.4	O	Not used	53	P4.1	O	Not used
4	P9.3	O	Not used	54	P4.0	O	Not used
5	DIGR0	O	R [0] for OSD	55	P3.7	O	Not used
6	TB1in	I	AC power for timer clock	56	P3.6	O	Not used
7	REMO	I	Remote control	57	P3.5	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	P3.4	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	P3.3	O	Not used
10	DIGG0	O	G [0] for OSD	60	P3.2	O	Not used
11	DIGB0	O	B [0] for OSD	61	P3.1	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock oscillation (crystal) : 16MHz	63	P3.0	O	Not used
14	Vss	-	GND	64	VSYSN	I	V. sync for OSD
15	Xin	I	System clock oscillation (crystal) : 16MHz	65	P2.7	O	Not used
16	Vcc1	I	3.3V stand-by power supply	66	P2.6	O	Not used
17	OSC1	I	Clock for OSD	67	P2.5	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	P2.4	O	Not used
19	INT1	I	Not used : AV COMPULINK control	69	P2.3	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	P2.2	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	P2.1	O	Clock for Inter IC (serial) bus control
22	OUT2	O	YM (transparence) for OSD	72	P2.0	I/O	Data for Inter IC (serial) bus control
23	P7.7	O	Not used	73	P1.7	O	Not used
24	P7.6	O	Not used	74	P1.6	O	Not used
25	P7.5	O	Not used	75	P1.5	O	Not used
26	P7.4	O	Not used	76	P1.4	O	Not used
27	CTA2/RTS2	O	Not used	77	P1.3	O	Not used
28	CLK2	O	Not used	78	P1.2	O	Not used
29	RxD2	I	Digital tuner control	79	P1.1	O	Not used
30	TxD2	O	Digital tuner control	80	P1.0	O	Function LED lighting
31	SDA2	I/O	Not used	81	P0.7	O	Communication LED lighting
32	DIGR1	O	R [1] for OSD	82	P0.6	O	Test point
33	DIGG1	O	G [1] for OSD	83	CEC_INT	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	SDA	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	SCL	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	10.0	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (INPUT/VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

# SECTION 3

## DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

#### CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

#### 3.1.1 REMOVING THE STAND (Fig.1)

- (1) Remove the 2 screws [A].
- (2) Remove the STAND COVER.
- (3) Remove the 2 screws [B] and 2 screws [C].
- (4) Remove the STAND.

#### 3.1.2 REMOVING THE REAR COVER (Fig.1)

- Remove the STAND.
  - (1) Remove the JACK COVER (L/R).
  - (2) Remove the 10 screws [D], the 6 screws [E], and the 2 screws [F].
  - (3) Remove the REAR COVER.

#### 3.1.3 REMOVING THE POWER PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 1 screw [G].
  - (2) Remove the POWER CORD HOLDER.
  - (3) Remove the POWER CORD.
  - (4) Remove the 4 screws [H].
  - (5) Remove the MAIN POWER PWB.

#### 3.1.4 REMOVING THE D-AMP PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 2 screw [J].
  - (2) Remove the D-AMP PWB.

#### 3.1.5 REMOVING THE ANALOG PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the D-AMP PWB.
  - (1) Remove the 3 screws [K] and 2 screws [L].
  - (2) Remove the TERMINAL BASE.
  - (3) Remove the 1 screw [M].
  - (4) Remove the TUNER BASE.
  - (5) Remove the 2 screws [N].
  - (6) Remove the D-AMP BRACKET.
  - (7) Remove the 3 screws [O].
  - (8) Remove the 2 screws [P].
  - (9) Remove the ANALOG PWB.

#### 3.1.6 REMOVING THE DC-DC PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 4 screws [Q].
  - (2) Remove the BACK BRACKET.
  - (3) Remove the 2 screws [R].
  - (4) Remove the DC-DC PWB.

#### 3.1.7 REMOVING THE COOLING FAN (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
  - (1) Remove the 7 hooks of the SHIELD COVER.
  - (2) Remove the SHIELD COVER by sliding it in the direction of the arrow.
  - (3) Remove the 2 screws [S].
  - (4) Remove the COOLING FAN.

#### 3.1.8 REMOVING THE ATSC TUNER MODULE PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
  - (1) Remove the 4 screws [T].
  - (2) Remove the ATSC TUNER MODULE PWB.

#### 3.1.9 REMOVING THE OPTICAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
  - (1) Remove the 1 screw [U].
  - (2) Remove the OPTICAL PWB.

#### 3.1.10 REMOVING THE SD CARD PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
  - (1) Remove the 1 screw [V].
  - (2) Remove the SD CARD PWB.

#### 3.1.11 REMOVING THE DIGITAL PWB (Fig.1)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
- Remove the SHIELD COVER.
- Remove the ATSC TUNER MODULE PWB.
- Remove the SD CARD PWB.
  - (1) Remove the 2 screws [W] and 2 screws [X].
  - (2) Remove the SHIELD TERMINAL.
  - (3) Remove the 7 screws [Y].
  - (4) Remove the DIGITAL PWB BRACKET.
  - (5) Remove the 2 screws [Z].
  - (6) Remove the DIGITAL PWB.

#### CAUTION :

Make sure to perform the "SYSTEM SETTING", when DIGITAL PWB is replaced.

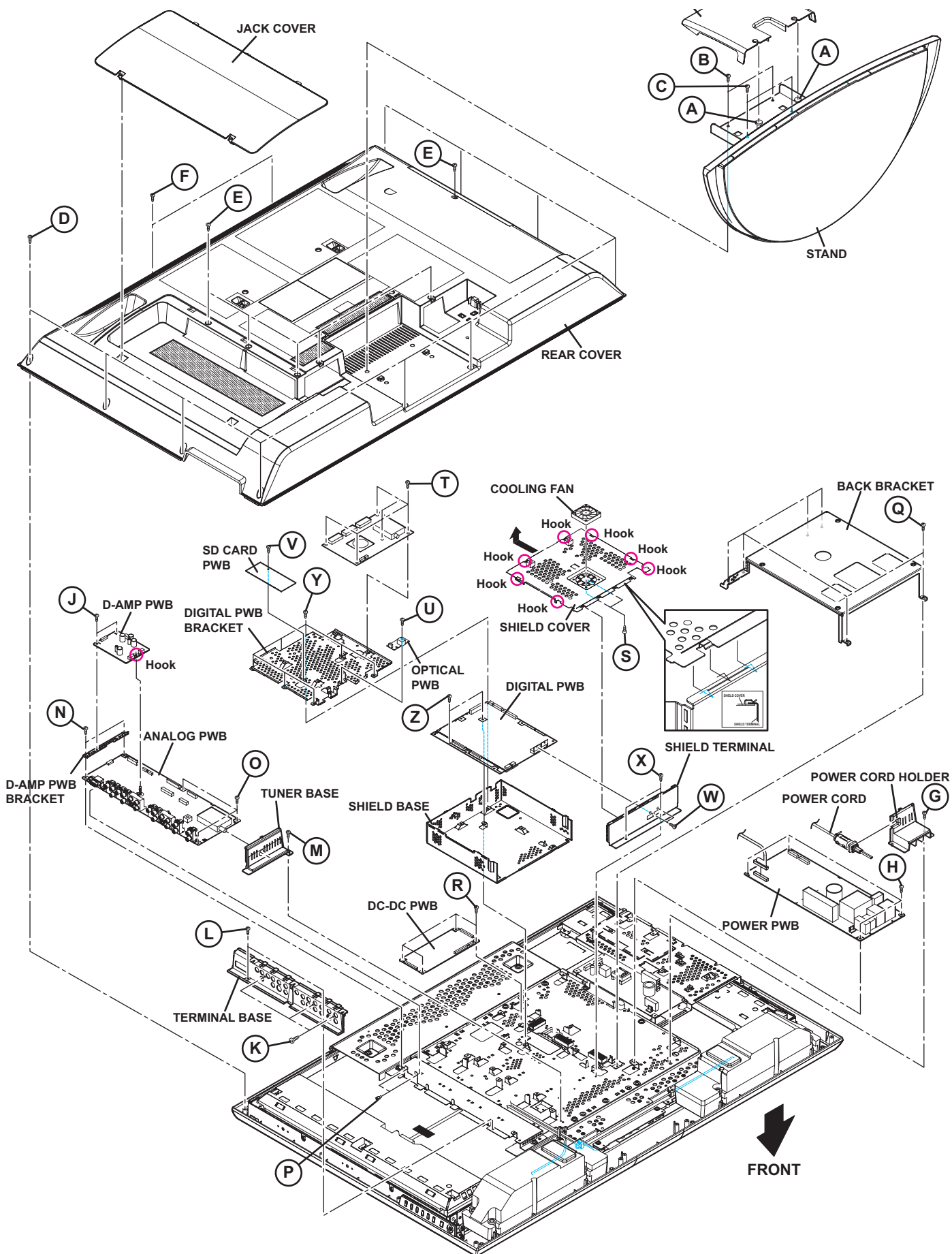


Fig.1

#### **3.1.12 REMOVING THE SPEAKER (Fig.2)**

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 6 screws [A].
  - (2) Remove the SPEAKER (L /R).

#### **NOTE:**

- Since the speaker is attached in a certain direction, attach the speaker in the same correct direction as it has been attached.
- When the speaker is decomposed, the performance cannot be kept.

#### **3.1.13 REMOVING THE SW PWB (Fig.1)**

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 3 screw [B].
  - (2) Remove the CONTROL ASSY with the SW PWB.
  - (3) Remove the SW PWB.

#### **3.1.14 REMOVING THE LED PWB (Fig.2)**

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 2 screws [C].
  - (2) Remove the LED PWB.

#### **3.1.15 REMOVING THE LED LENS (Fig.2)**

- Remove the STAND.
- Remove the REAR COVER.
- Remove the LED PWB.
  - (1) Remove the 2 screws [D].
  - (2) Remove the LED LENS.

#### **3.1.16 REMOVING THE SUB POWER PWB (Fig.2)**

- Remove the STAND.
- Remove the REAR COVER.
  - (1) Remove the 4 screws [E].
  - (2) Remove the SUB POWER PWB.

#### **3.1.17 REMOVING THE LCD PANEL UNIT (Fig.2)**

- Remove the STAND.
- Remove the REAR COVER.
- Remove the BACK BRACKET.
  - (1) Remove the 9 screws [F].
  - (2) Remove the MAIN BASE.
  - (3) Remove the 3 screws [G] and 2 screw [H].
  - (4) Remove the TOP FFRAME.
  - (5) Remove the 2 screws [J] and 2 screw [K].
  - (6) Remove the BOTTOM FFRAME.
  - (7) Remove the LCD PANEL UNIT from the FRONT PANEL.
  - (8) Remove the 2 screws [L].
  - (9) Remove the CARD PWB BRACKET from the LCD PANEL UNIT.

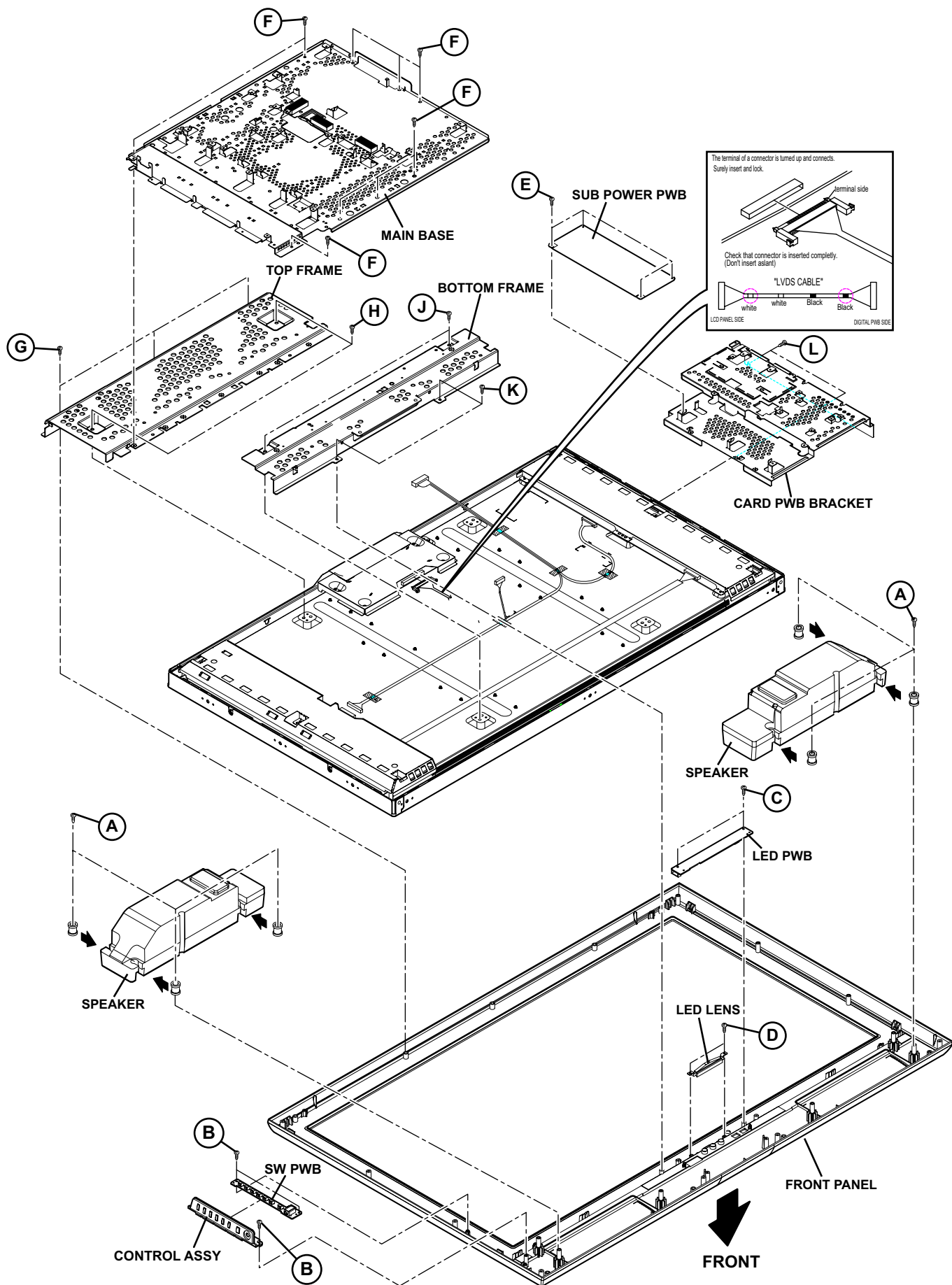


Fig.2

## 3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

### 3.2.1 MEMORY IC TABLE

Symbol	Number of pins	Mounting PWB	Main content of data
<a href="#">IC7201</a>	48-pin	DIGITAL PWB	Program(Video process) of <a href="#">IC6001</a> (System CPU) is memorized.
<a href="#">IC7602</a>	8-pin	DIGITAL PWB	Setting value of <a href="#">IC7601</a> (MAIN CPU) is memorized.

### 3.2.2 MEMORY IC REPLACEMENT PROCEDURE

#### 1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

#### 2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

#### 3. Power on

Connect the power plug to the AC outlet and switch on the power.

#### 4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

#### 5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

#### 6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

### 3.2.3 SERVICE MODE SETTING

#### ■SERVICE MODE SCREEN

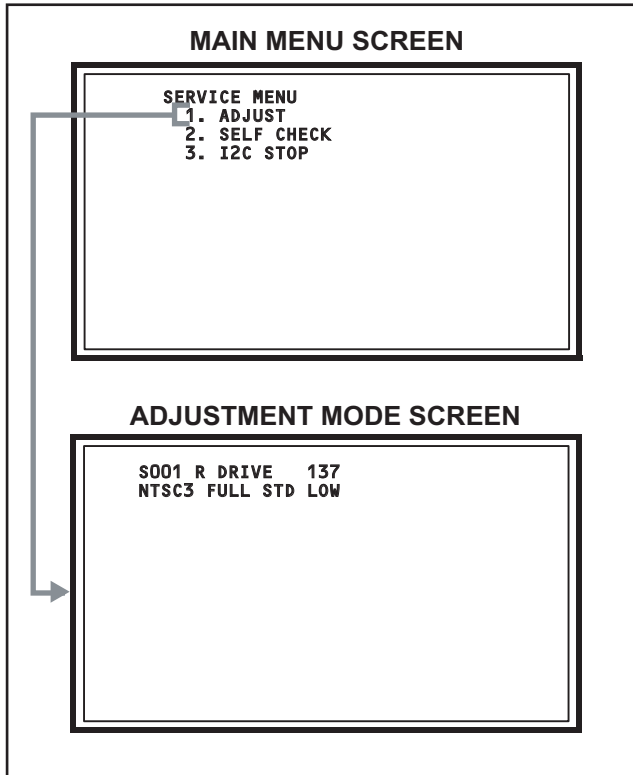


Fig.1

#### ■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
Audio system setting	Adjust	T001 - T003
Main CPU system setting	Fixed	M001 - M224
Drive system setting	Fixed	F001 - F002
(Not used)	Fixed	D001
(Not used)	Fixed	Z001

### 3.2.4 SETTINGS OF FACTORY SHIPMENT

#### 3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

#### 3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
INPUT	TV
CHANNEL	CABLE-02
VOLUME	10
MUTING	OFF
DISPLAY	OFF
ASPECT	NTSC
	HD / ATSC
	PANORAMA
	FULL
SLEEP TIMER	OFF
THEATER PRO	OFF
NATURAL CINEMA	AUTO
VIDEO STATUS	DYNAMIC
MTS	STEREO
SOUND EFFECT	A.H.S.+
	A.T.C
	SMART SOUND
	MaxxBass
	OFF
	ON
	OFF
	OFF

#### 3.2.4.3 REMOTE CONTROL MENU OPERATION

##### 1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

##### < NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+10	00	-10	00
BRIGHT	00	00	00	00
COLOR	00	00	00	00
TINT	00	00	00	00
DETAIL	+04	00	00	00
ENERGY SAVER MODE	+30	+15	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	ON	ON	ON	ON
SMART SENSOR	OFF	OFF	OFF	OFF
SENSOR EFFECT	OFF	OFF	OFF	OFF

##### < HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+10	00	-10	00
BRIGHT	00	00	00	00
COLOR	00	00	00	00
TINT	00	00	00	00
DETAIL	+04	00	00	00
ENERGY SAVER MODE	+30	+15	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	ON	ON	ON	ON
SMART SENSOR	OFF	OFF	OFF	OFF
SENSOR EFFECT	OFF	OFF	OFF	OFF

##### 2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
TURN ON VOLUME	Current
VOLUME LIMIT	50

##### 3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	OFF

##### 4. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	AUTO
DIGITAL-IN1 AUDIO	AUTO
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF

### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

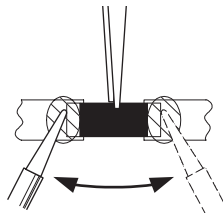
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

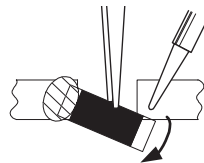
##### 1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

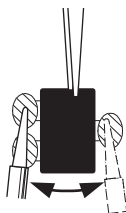


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



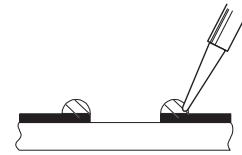
#### NOTE :

After removing the part, remove remaining solder from the pattern.

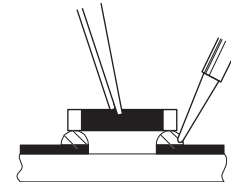
##### 2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

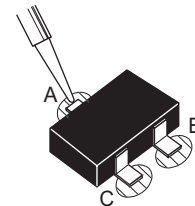


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

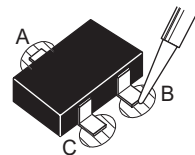


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



## SECTION 4 ADJUSTMENT

### 4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

### 4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

Setting item	Settings
VIDEO STATUS	STANDARD
BRIGHT / CONTRAST / COLOR / TINT	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
NATURAL CINEMA	OFF
TREBLE / BASS / BALANCE	00
SMART SOUND	OFF
MTS	STEREO
A.H.S.+	OFF
MaxxBass	OFF
ASPECT	FULL

### 4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator) [NTSC]
- TV audio multiplex signal generator
- Remote control unit

### 4.4 ADJUSTMENT ITEMS

#### ■ VIDEO CIRCUIT

- WHITE BALANCE (HIGHLIGHT) adjustment

#### ■ MTS CIRCUIT

- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

### 4.5 BASIC OPERATION OF SERVICE MODE

#### 4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)

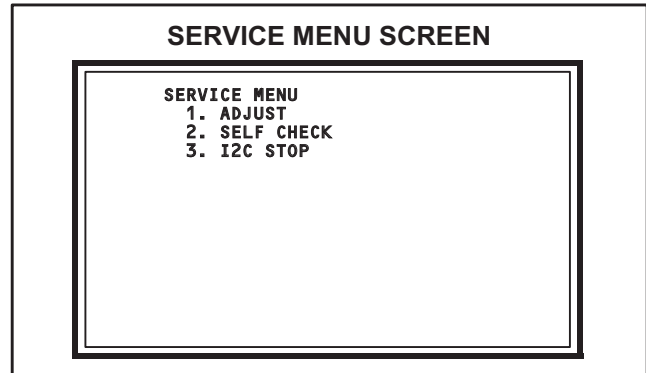


Fig.1

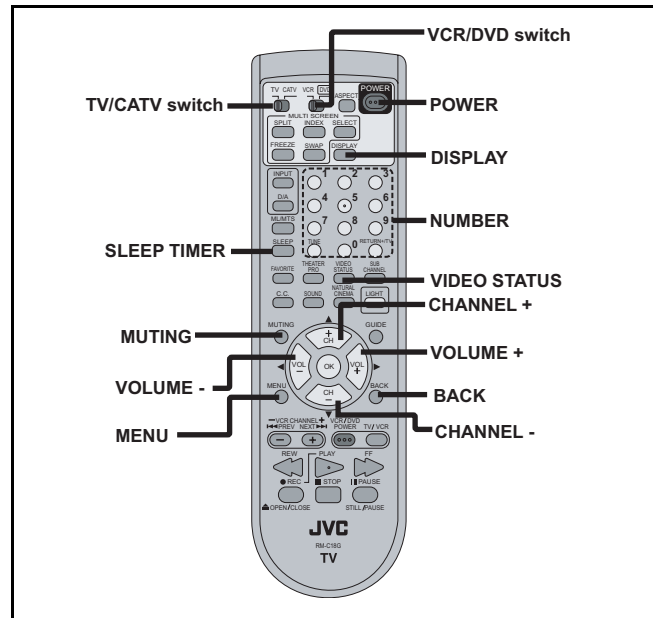
#### NOTE:

- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed. This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

#### 4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

#### 4.5.3 SERVICE MODE SELECT KEY LOCATION



#### 4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

##### 4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE**.

##### 4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

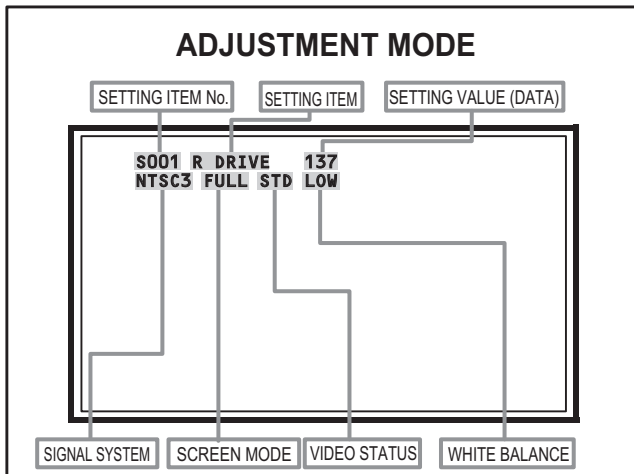


Fig.2

##### (1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)  
525I : 525i (Component input)  
525P : 525p  
1125I6 : 1125i  
750P : 750p  
PCVGA : PC (VGA)  
PCXGA : PC (XGA)  
H525I : HDMI 525i  
H525P : HDMI 525p  
H125I6 : HDMI 1125i  
H750P : HDMI 750p  
D525I : ATSC 525i  
D525P : ATSC 525p  
D125I6 : ATSC 1125i

##### (2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

###### SINGLE SCREEN

FULL : FULL  
1609 : CINEMA, CINEMA ZOOM  
PANO : PANORAMA, HD PANORAMA  
REGU : REGULAR, SLIM

###### MULTI SCREEN

M2 : SPLIT, FREEZE screen  
M12 : INDEX screen

##### (3) VIDEO STATUS

STD : STANDARD  
DYN : DYNAMIC  
TH : THEATER  
GAME : GAME

##### (4) WHITE BALANCE

HIGH : HIGH  
LOW : LOW

##### (5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S009	Video system setting
T001 - T003	Audio system setting
M001 - M224	Main CPU system setting
F001 - F002	Drive system setting
D001	(NOT USED)
Z001	(NOT USED)

##### (6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

##### (7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

#### 4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

##### ■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.  
Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.  
Switches to the next items.

S001 → T001 → M001... → F001... → D001 → Z001

##### ■CHANGE OF SETTING VALUE (DATA)

- **[VOL+]** / **[VOL-]** key.  
Change the setting values up/down.

##### ■MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

## 4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

### 4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	R DRIVE	000 - 255	137
S002	G DRIVE	000 - 255	130
S003	B DRIVE	000 - 255	111
S004	RESREV	000 - 255	000
S005	RESREV	000 - 255	000
S006	RESREV	000 - 255	002
S007	RESREV	000 - 255	002
S008	RESREV	000 - 255	002
S009	RESREV	000 - 255	002

### 4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	INPLEVEL	000 - 015	007
T002	LOWSEPA	000 - 063	033
T003	HIGHSEPA	000 - 063	020

### 4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
M001	1E00	00 - FF	00
M002	1E01	00 - FF	00
M003	1E02	00 - FF	05
M004	1E03	00 - FF	20
M005	1E04	00 - FF	10
M006	1E05	00 - FF	00
M007	1E06	00 - FF	00
M008	1E07	00 - FF	00
M009	1E08	00 - FF	00
M010	1E09	00 - FF	00
M011	1E0A	00 - FF	01
M012	1E0B	00 - FF	00
M013	1E0C	00 - FF	01
M014	1E0D	00 - FF	00
M015	1E0E	00 - FF	00
M016	1E0F	00 - FF	00
M017	1E10	00 - FF	00
M018	1E11	00 - FF	00
M019	1E12	00 - FF	00
M020	1E13	00 - FF	01
M021	1E14	00 - FF	00
M022	1E15	00 - FF	00
M023	1E16	00 - FF	00
M024	1E17	00 - FF	00

Item No.	Item	Variable range	Setting value
M025	1E18	00 - FF	00
M026	1E19	00 - FF	00
M027	1E1A	00 - FF	00
M028	1E1B	00 - FF	00
M029	1E1C	00 - FF	00
M030	1E1D	00 - FF	00
M031	1E1E	00 - FF	00
M032	1E1F	00 - FF	00
M033	1E20	00 - FF	00
M034	1E21	00 - FF	00
M035	1E22	00 - FF	00
M036	1E23	00 - FF	00
M037	1E24	00 - FF	00
M038	1E25	00 - FF	00
M039	1E26	00 - FF	00
M040	1E27	00 - FF	00
M041	1E28	00 - FF	00
M042	1E29	00 - FF	00
M043	1E2A	00 - FF	00
M044	1E2B	00 - FF	00
M045	1E2C	00 - FF	00
M046	1E2D	00 - FF	00
M047	1E2E	00 - FF	00
M048	1E2F	00 - FF	00
M049	1E30	00 - FF	00
M050	1E31	00 - FF	00
M051	1E32	00 - FF	00
M052	1E33	00 - FF	00
M053	1E34	00 - FF	00
M054	1E35	00 - FF	00
M055	1E36	00 - FF	02
M056	1E37	00 - FF	00
M057	1E38	00 - FF	01
M058	1E39	00 - FF	02
M059	1E3A	00 - FF	10
M060	1E3B	00 - FF	83
M061	1E3C	00 - FF	00
M062	1E3D	00 - FF	00
M063	1E3E	00 - FF	00
M064	1E3F	00 - FF	00
M065	1E40	00 - FF	00
M066	1E41	00 - FF	00

Item No.	Item	Variable range	Setting value
M067	1E42	00 - FF	00
M068	1E43	00 - FF	03
M069	1E44	00 - FF	03
M070	1E45	00 - FF	03
M071	1E46	00 - FF	3F
M072	1E47	00 - FF	01
M073	1E48	00 - FF	00
M074	1E49	00 - FF	00
M075	1E4A	00 - FF	00
M076	1E4B	00 - FF	00
M077	1E4C	00 - FF	00
M078	1E4D	00 - FF	00
M079	1E4E	00 - FF	00
M080	1E4F	00 - FF	00
M081	1E50	00 - FF	00
M082	1E51	00 - FF	00
M083	1E52	00 - FF	00
M084	1E53	00 - FF	00
M085	1E54	00 - FF	00
M086	1E55	00 - FF	00
M087	1E56	00 - FF	00
M088	1E57	00 - FF	00
M089	1E58	00 - FF	00
M090	1E59	00 - FF	00
M091	1E5A	00 - FF	00
M092	1E5B	00 - FF	00
M093	1E5C	00 - FF	00
M094	1E5D	00 - FF	00
M095	1E5E	00 - FF	00
M096	1E5F	00 - FF	00
M097	1E60	00 - FF	00
M098	1E61	00 - FF	00
M099	1E62	00 - FF	00
M100	1E63	00 - FF	00
M101	1E64	00 - FF	00
M102	1E65	00 - FF	00
M103	1E66	00 - FF	00
M104	1E67	00 - FF	00
M105	1E68	00 - FF	04
M106	1E69	00 - FF	03
M107	1E6A	00 - FF	02
M108	1E6B	00 - FF	00
M109	1E6C	00 - FF	00
M110	1E6D	00 - FF	00
M111	1E6E	00 - FF	00
M112	1E6F	00 - FF	00

Item No.	Item	Variable range	Setting value
M113	1E70	00 - FF	00
M114	1E71	00 - FF	00
M115	1E72	00 - FF	00
M116	1E73	00 - FF	00
M117	1E74	00 - FF	00
M118	1E75	00 - FF	00
M119	1E76	00 - FF	00
M120	1E77	00 - FF	0F
M121	1E78	00 - FF	13
M122	1E79	00 - FF	00
M123	1E7A	00 - FF	00
M124	1E7B	00 - FF	00
M125	1E7C	00 - FF	00
M126	1E7D	00 - FF	00
M127	1E7E	00 - FF	01
M128	1E7F	00 - FF	00
M129	1E80	00 - FF	01
M130	1E81	00 - FF	00
M131	1E82	00 - FF	01
M132	1E83	00 - FF	00
M133	1E84	00 - FF	00
M134	1E85	00 - FF	00
M135	1E86	00 - FF	00
M136	1E87	00 - FF	00
M137	1E88	00 - FF	00
M138	1E89	00 - FF	00
M139	1E8A	00 - FF	00
M140	1E8B	00 - FF	00
M141	1E8C	00 - FF	00
M142	1E8D	00 - FF	00
M143	1E8E	00 - FF	00
M144	1E8F	00 - FF	00
M145	1E90	00 - FF	00
M146	1E91	00 - FF	00
M147	1E92	00 - FF	00
M148	1E93	00 - FF	00
M149	1E94	00 - FF	00
M150	1E95	00 - FF	00
M151	1E96	00 - FF	00
M152	1E97	00 - FF	00
M153	1E98	00 - FF	00
M154	1E99	00 - FF	00
M155	1E9A	00 - FF	01
M156	1E9B	00 - FF	00
M157	1E9C	00 - FF	03
M158	1E9D	00 - FF	00

Item No.	Item	Variable range	Setting value
M159	1E9E	00 - FF	00
M160	1E9F	00 - FF	00
M161	1EA0	00 - FF	00
M162	1EA1	00 - FF	00
M163	1EA2	00 - FF	01
M164	1EA3	00 - FF	00
M165	1EA4	00 - FF	00
M166	1EA5	00 - FF	00
M167	1EA6	00 - FF	00
M168	1EA7	00 - FF	00
M169	1EA8	00 - FF	00
M170	1EA9	00 - FF	00
M171	1EAA	00 - FF	00
M172	1EAB	00 - FF	00
M173	1EAC	00 - FF	0A
M174	1EAD	00 - FF	00
M175	1EAE	00 - FF	00
M176	1EAF	00 - FF	00
M177	1EB0	00 - FF	00
M178	1EB1	00 - FF	00
M179	1EB2	00 - FF	01
M180	1EB3	00 - FF	00
M181	1EB4	00 - FF	00
M182	1EB5	00 - FF	00
M183	1EB6	00 - FF	00
M184	1EB7	00 - FF	00
M185	1EB8	00 - FF	00
M186	1EB9	00 - FF	00
M187	1EBA	00 - FF	00
M188	1EBB	00 - FF	00
M189	1EBC	00 - FF	00
M190	1EBD	00 - FF	00
M191	1EBE	00 - FF	00
M192	1EBF	00 - FF	00
M193	1EC0	00 - FF	00
M194	1EC1	00 - FF	00
M195	1EC2	00 - FF	01
M196	1EC3	00 - FF	00
M197	1EC4	00 - FF	00
M198	1EC5	00 - FF	00
M199	1EC6	00 - FF	00
M200	1EC7	00 - FF	00
M201	1EC8	00 - FF	01
M202	1EC9	00 - FF	00
M203	1ECA	00 - FF	00
M204	1ECB	00 - FF	00

Item No.	Item	Variable range	Setting value
M205	1ECC	00 - FF	02
M206	1ECD	00 - FF	00
M207	1ECE	00 - FF	00
M208	1ECF	00 - FF	00
M209	1ED0	00 - FF	10
M210	1ED1	00 - FF	00
M211	1ED2	00 - FF	00
M212	1ED3	00 - FF	00
M213	1ED4	00 - FF	00
M214	1ED5	00 - FF	00
M215	1ED6	00 - FF	00
M216	1ED7	00 - FF	00
M217	1ED8	00 - FF	00
M218	1ED9	00 - FF	00
M219	1EDA	00 - FF	00
M220	1EDB	00 - FF	00
M221	1EDC	00 - FF	00
M222	1EDD	00 - FF	00
M223	1EDE	00 - FF	00
M224	1EDF	00 - FF	00

#### 4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
F001	DD	000 - 001	000
F002	RAM REF	000 - 001	000

#### 4.6.5 NOT USED (Fixed values)

Item No.	Item	Variable range	Setting value
D001	RESREV	000 - 255	002

#### 4.6.6 NOT USED (Fixed values)

Item No.	Item	Variable range	Setting value
Z001	RESREV	000 - 255	002

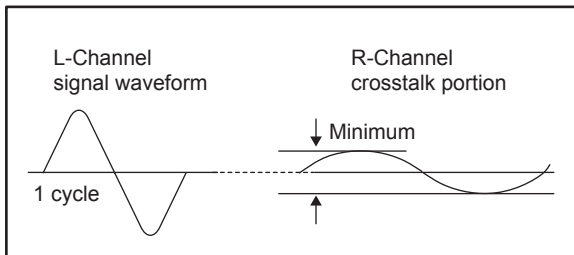
## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>WHITE BALANCE (HIGHLIGHT)</b>	Remote control unit  Signal generator		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	<p>(1) Receive a NTSC 75% all white signal.</p> <p>(2) Set "VIDEO STATUS" to "<b>STANDARD</b>".</p> <p>(3) Set "ASPECT" to "<b>FULL</b>".</p> <p>(4) Select "COLOR TEMPERATURE" to "<b>LOW</b>".</p> <p>(5) Select "<b>1.ADJUST</b>" from the SERVICE MODE.</p> <p>(6) Adjust to keep one of &lt; <b>S030</b> &gt; (Red drive), &lt; <b>S031</b> &gt; (Green drive) or &lt; <b>S032</b> &gt; (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.</p> <p><b>NOTE:</b> Set one or more of &lt; <b>S030</b> &gt;, &lt; <b>S031</b> &gt;, and &lt; <b>S032</b> &gt; to "<b>137</b>".</p> <p>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.</p> <p>(8) Press the <b>[MUTING]</b> key to memorize the set value.</p>

### 4.7.2 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
<b>MTS INPUT LEVEL</b>	Remote control unit		[1.ADJUST] T001: IN LEVEL	<p>(1) Receive the any broadcast.</p> <p>(2) Select "<b>1.ADJUST</b>" from the SERVICE MODE.</p> <p>(3) Verify that the &lt; <b>T001</b> &gt; (IN LEVEL) is set at its initial setting value.</p> <p>(4) Press the <b>[MUTING]</b> key to memorize the set value.</p>
<b>MTS SEPARATION</b>	TV audio multiplex signal generator  Oscilloscope  Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	<p>(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.</p> <p>(2) Connect an oscilloscope to <b>L OUT</b> pin of the <b>AUDIO OUT</b>, and display one cycle portion of the 300Hz signal.</p> <p>(3) Change the connection of the oscilloscope to <b>R OUT</b> pin of the <b>AUDIO OUT</b>, and enlarge the voltage axis.</p> <p>(4) Select "<b>1.ADJUST</b>" from the SERVICE MODE.</p> <p>(5) Set the initial setting value of the &lt; <b>T002</b> &gt; (LOW SEP).</p> <p>(6) Adjust the &lt; <b>T002</b> &gt; so that the stroke element of the 300Hz signal will become minimum.</p> <p>(7) Change the signal to 3kHz, and similarly adjust the &lt; <b>T003</b> &gt; (HI SEP).</p> <p>(8) Press the <b>[MUTING]</b> key to memorize the set value.</p>



## SECTION 5 TROUBLESHOOTING

### 5.1 SELF CHECK FEATURE

#### 5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I<sup>2</sup>C bus and the various control lines connected to the main microcomputer.

#### 5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check Display mode.

- (1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
  - (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
  - (3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
  - (4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
- When the **[RETURN+]** key pressed, the first page change screen.

#### NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

#### 5.1.3 HOW TO EXIT THE SELF CHECK MODE

##### TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

##### TO CLEAR (RESET) FAILURE HISTORY:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

#### 5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

#### NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

#### 5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I<sup>2</sup>C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

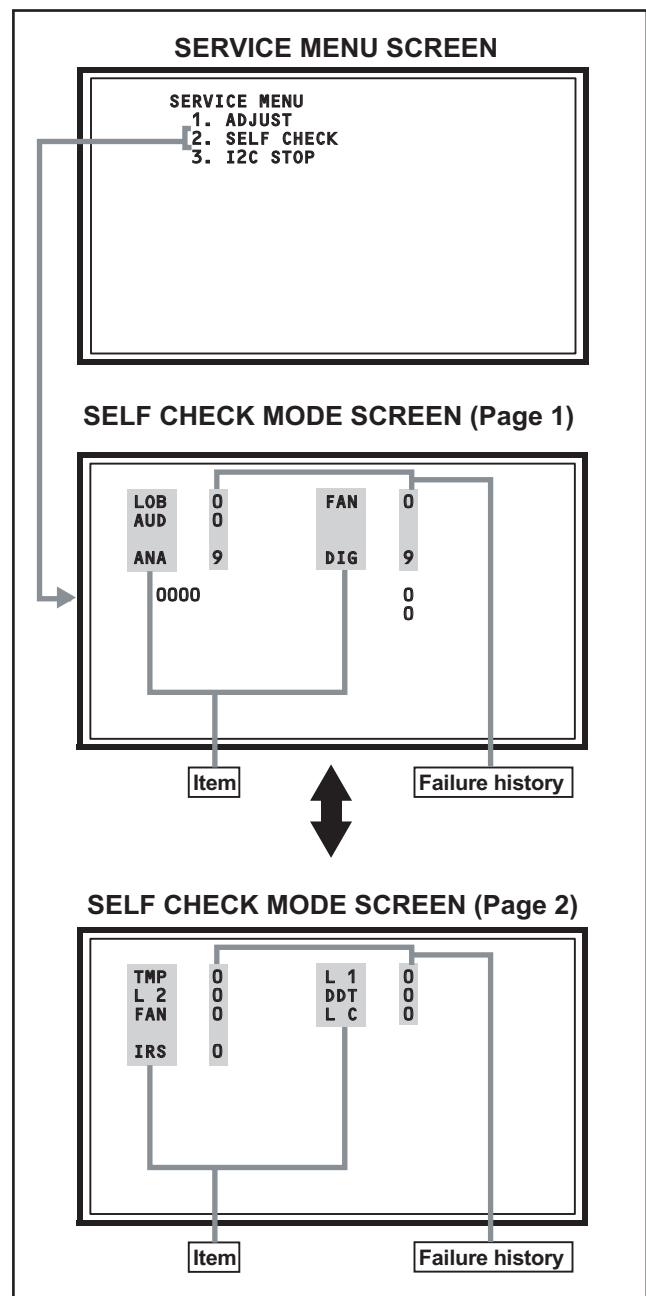


Fig.1

### 5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bias (16V / 5V / LCD5V / 3.3V / 1.2V) protection circuit. <a href="#">Q9601</a> , <a href="#">Q9651</a> [POWER PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200 ms the power is turned off.
Fan lock	FAN	Not used	----	----
Audio	AUD	Not used	----	----
Devices on the ANALOG PWB	ANA	Confirmation of reply of ACK signal which uses I2C communication. <a href="#">IC101</a> , <a href="#">IC102</a> , <a href="#">IC381</a> , <a href="#">IC601</a> , <a href="#">IC606</a> , <a href="#">TU3001</a> [ANALOG PWB]	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Confirmation of reply of ACK signal which uses I2C communication. [DIGITAL PWB]	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Temp. sensor	TEM	Not used	----	----
Lamp does not light up	L1	Not used	----	----
Lamp goes out	L2	Not used	----	----
Abnormal DD CPU circuit	DDT	Not used	----	----
Fan lock	FAN	Not used	----	----
Lamp cover open	LC	Not used	----	----
Abnormal of optical iris	IRS	Not used	----	----

### 5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	POWER LED flash cycle
Low bias line short protection	Blue LED turnig on and off at 1 second intervals.
ATSC TUNER fan lock detection	Blue LED turnig on and off at 2 second intervals.
CableCard error detection	Blue LED turnig on and off at 2 second intervals.

#### < Explanation of operation >

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



Victor Company of Japan, Limited  
Flat Panel Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA430)



Printed in Japan  
VPT

# JVC

## SCHEMATIC DIAGRAMS

LCD PANEL TELEVISION

**LT-40X667<sub>/S</sub>, LT-40X787<sub>/S</sub>,  
LT-40X887<sub>/S</sub>**

CD-ROM No.SML200606



[LT-40X887/S]

BASIC CHASSIS
FL4

*I'Art*<sup>TM</sup>  
PALETTE

GENESSA

**HDMI**<sup>TM</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

**i HDTV**

**DCR** **DOLBY**  
DIGITAL

**MaxxBass**<sup>®</sup>

# LT-40X667/s, LT-40X787/s, LT-40X887/s

## STANDARD CIRCUIT DIAGRAM

### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the  $\triangle$  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k $\Omega$ /V
- (4)Oscilloscope sweeping time : H  $\Rightarrow$  20 $\mu$ s / div  
: V  $\Rightarrow$  5ms / div  
: Others  $\Rightarrow$  Sweeping time is specified
- (5)Voltage values : All DC voltage values

\* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209  $\rightarrow$  R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

##### (1)Resistors

###### ● Resistance value

- No unit : [ $\Omega$ ]
- K : [k $\Omega$ ]
- M : [M $\Omega$ ]

###### ● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

###### ● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

##### (2)Capacitors

###### ● Capacitance value

- 1 or higher : [pF]
- less than 1 : [ $\mu$ F]

###### ● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [ $\mu$ F]/withstand voltage[V]

###### ● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

##### (3)Coils

- No unit : [ $\mu$ H]
- Others : As specified

##### (4)Power Supply




-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

\* Respective voltage values are indicated





##### (5)Test point

-  : Test point
-  : Only test point display

##### (6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

##### (7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

#### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( $\perp$ ) side GND and the ISOLATED(NEUTRAL) : ( $\text{⏏}$ ) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

##### NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

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<b>USING P.W. BOARD</b>	

PWB ASS'Y name	LT-40X667/S	LT-40X787/S	LT-40X887/S
SD CARD P.W. BOARD	SFL-1305A-M2	←	←
ANALOG P.W. BOARD	SFL-1312A-M2	←	←
OPTICAL P.W. BOARD	SFL-2501A-M2	←	←
D-AMP P.W. BOARD	SFL-6302A-M2	←	←
SW P.W. BOARD	SFL-7210A-M2	←	←
LED P.W. BOARD	SFL-8712A-M2	←	←
MAIN POWER P.W. BOARD	SFL-9060A-M2	←	←
DC-DC P.W. BOARD	SFL-9161A-M2	←	←
SUB POWER P.W. BOARD	SFL-9711A-M2	←	←
DIGITAL P.W. BOARD	SFL0D189A-M2	SFL0D186A-M2	SFL0D171A-M2

## SEMICONDUCTOR SHAPES

### TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW

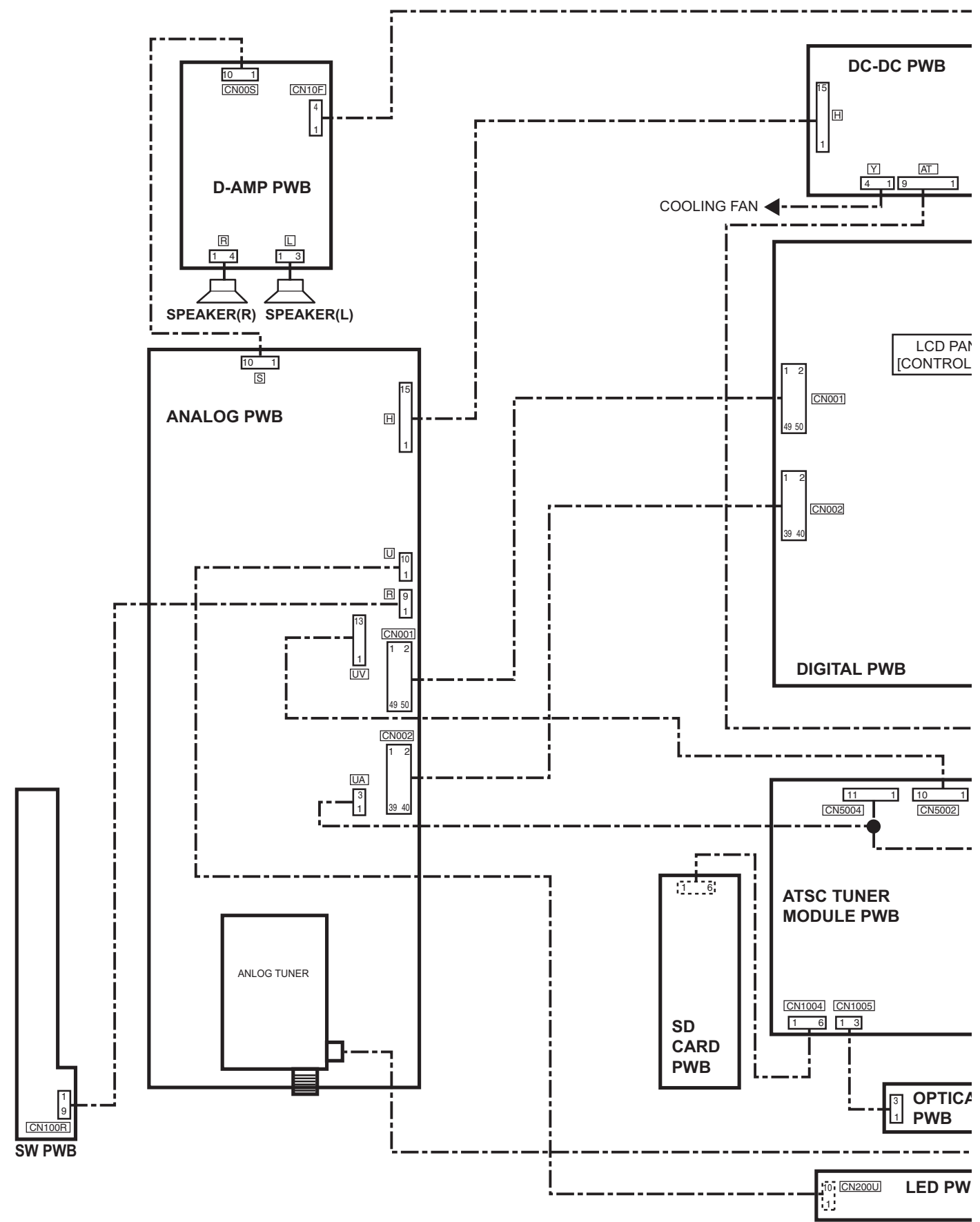
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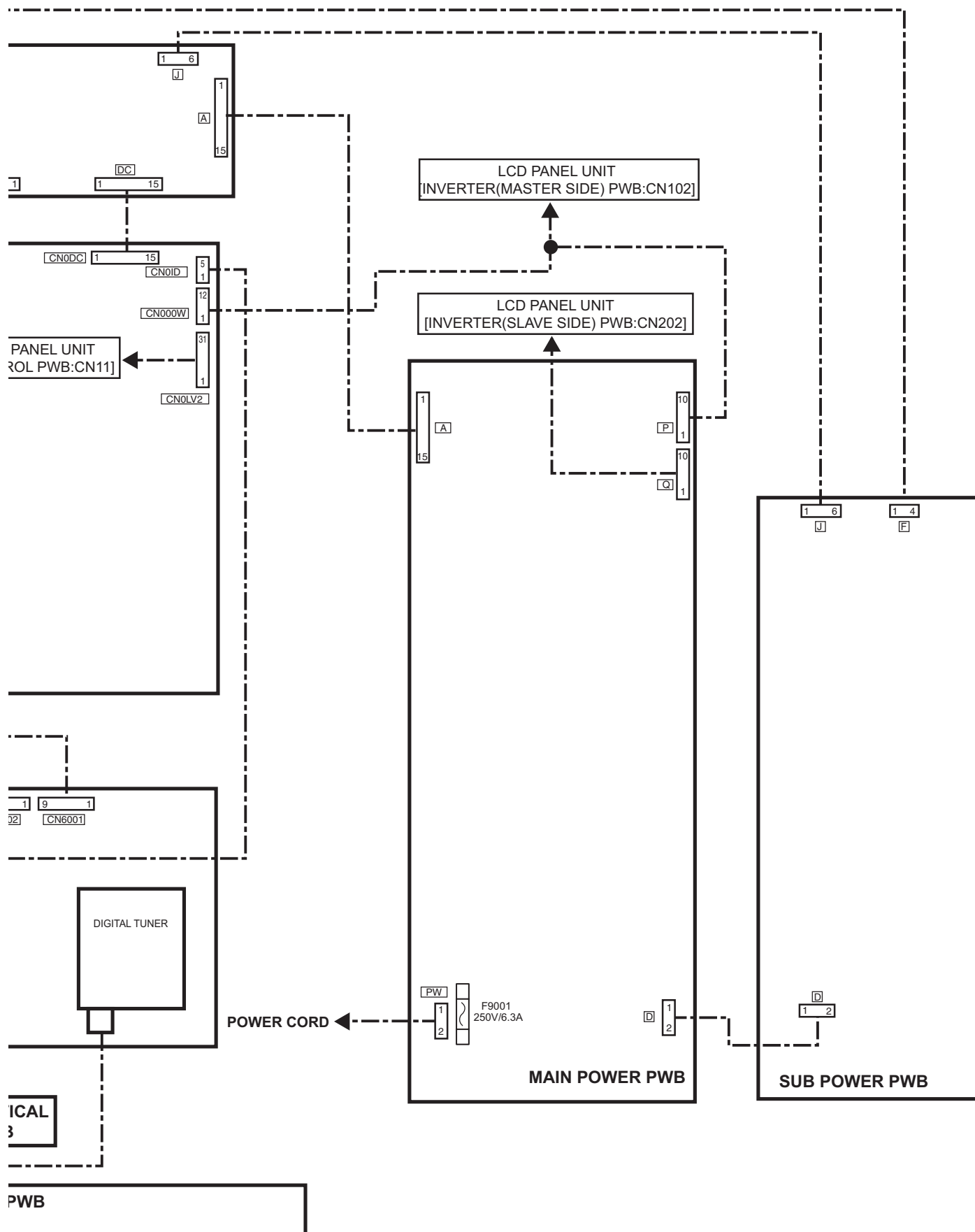
BOTTOM VIEW	FRONT VIEW			TOP VIEW

### CHIP IC

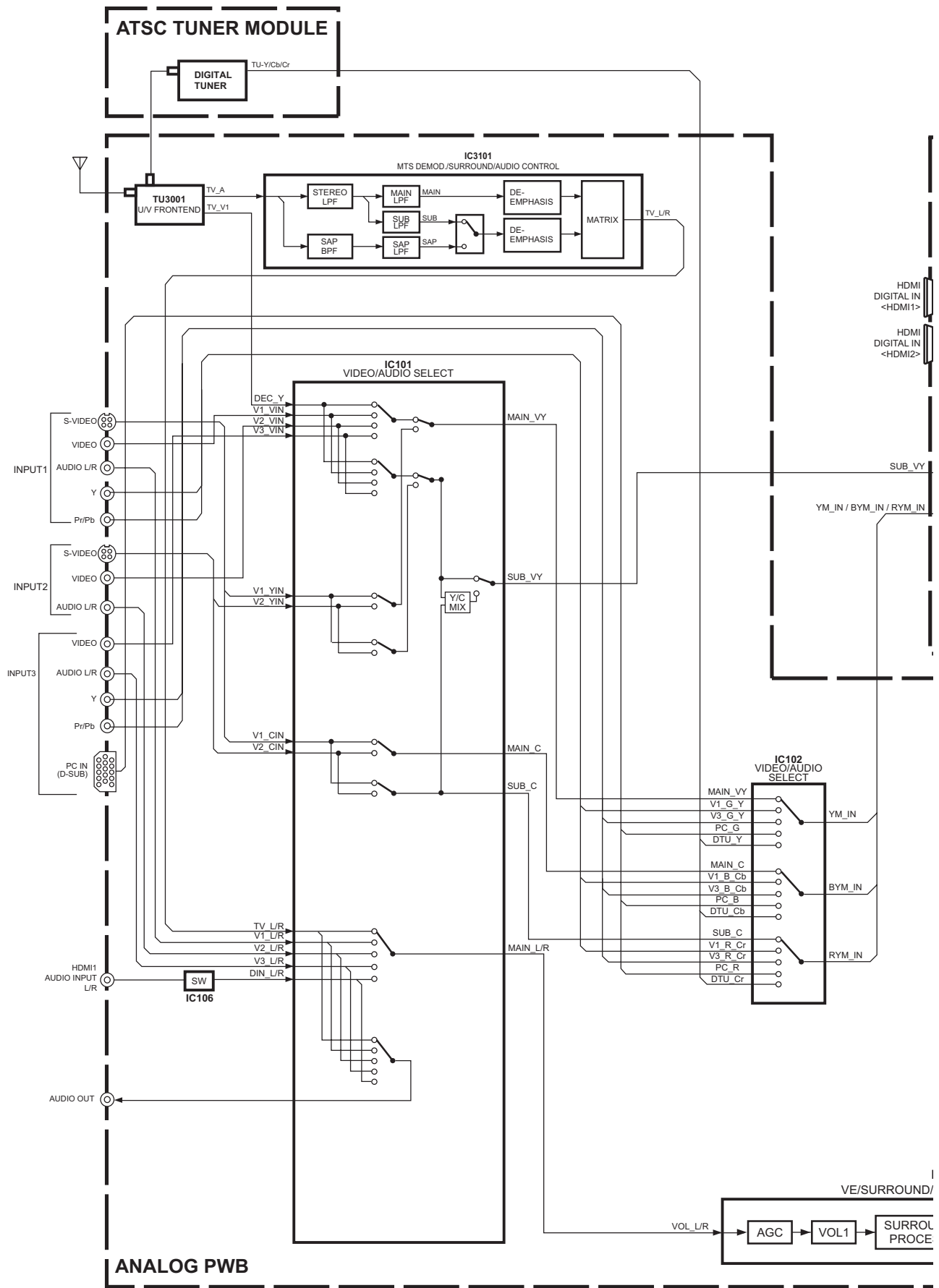
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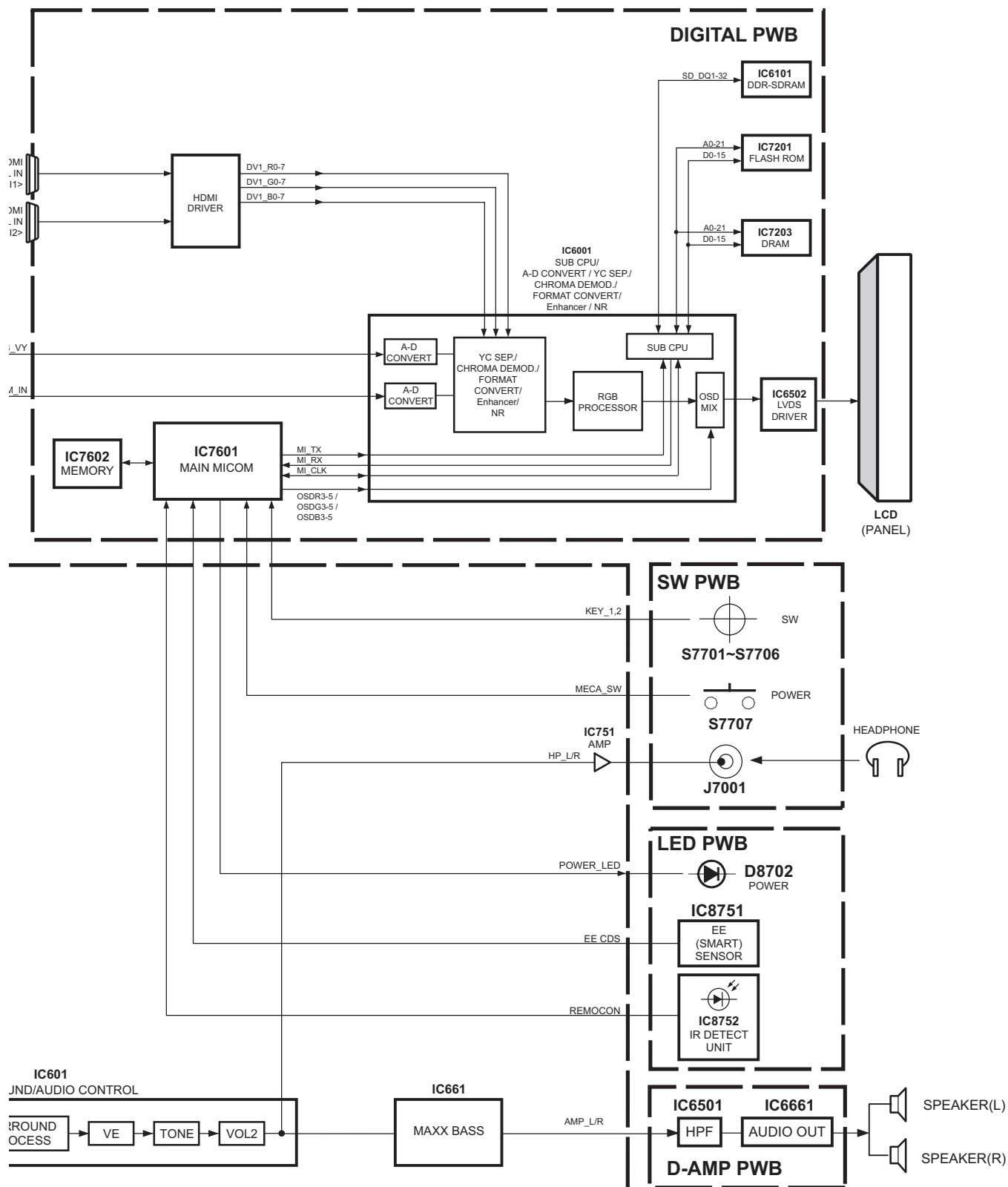
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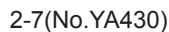


BLOCK DIAGRAM





## ANALOG PWB CIRCUIT DIAGRAM (1/6) SHEET 1



# ANALOG PWB ASS'Y(1/6) SFL-1312A-M2

SHEET 2

DIGITAL PWB  
(5/16)  
CN002  
SHEET 11

SHEET 3,5,6

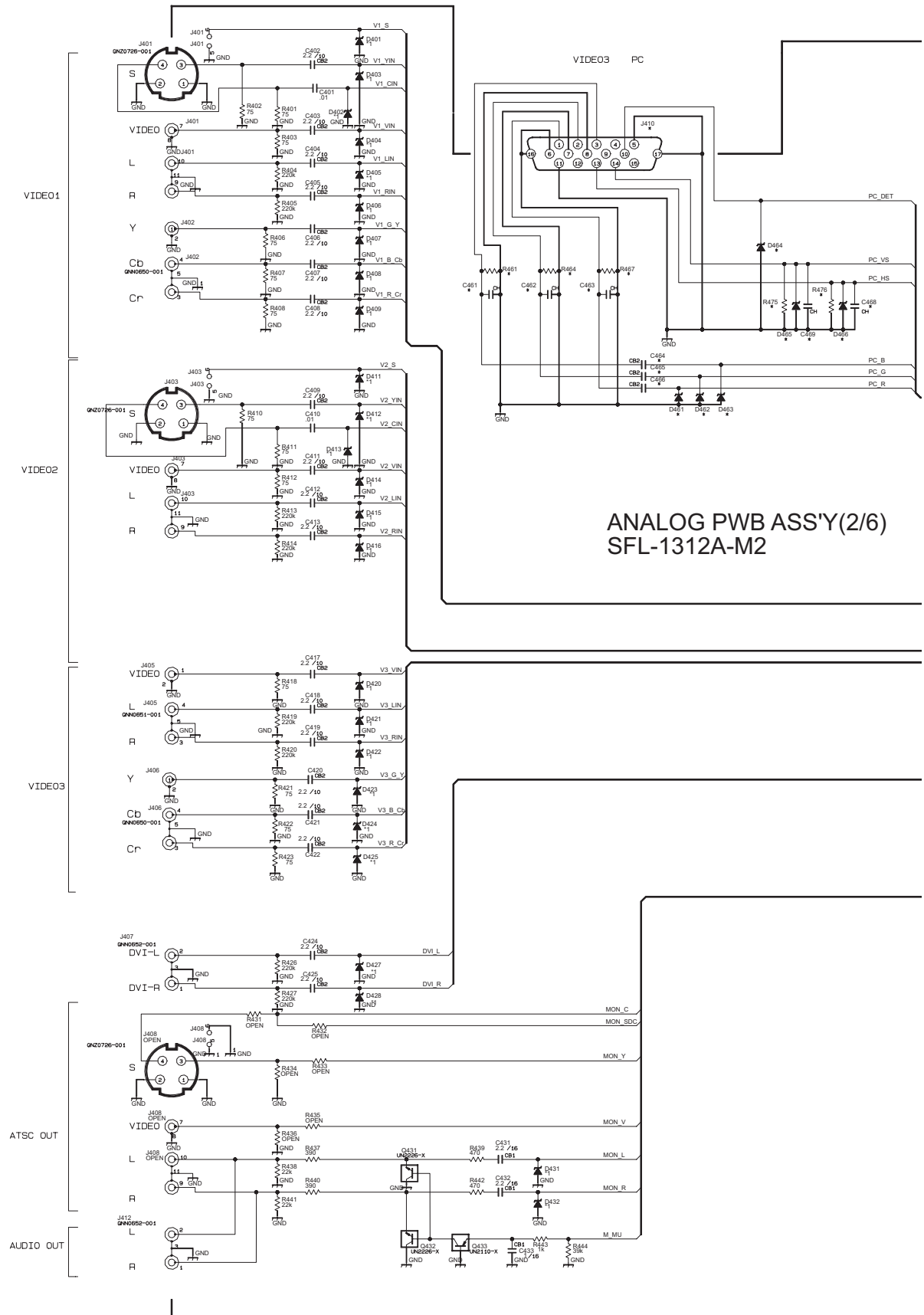
SHEET 4

SHEET 3

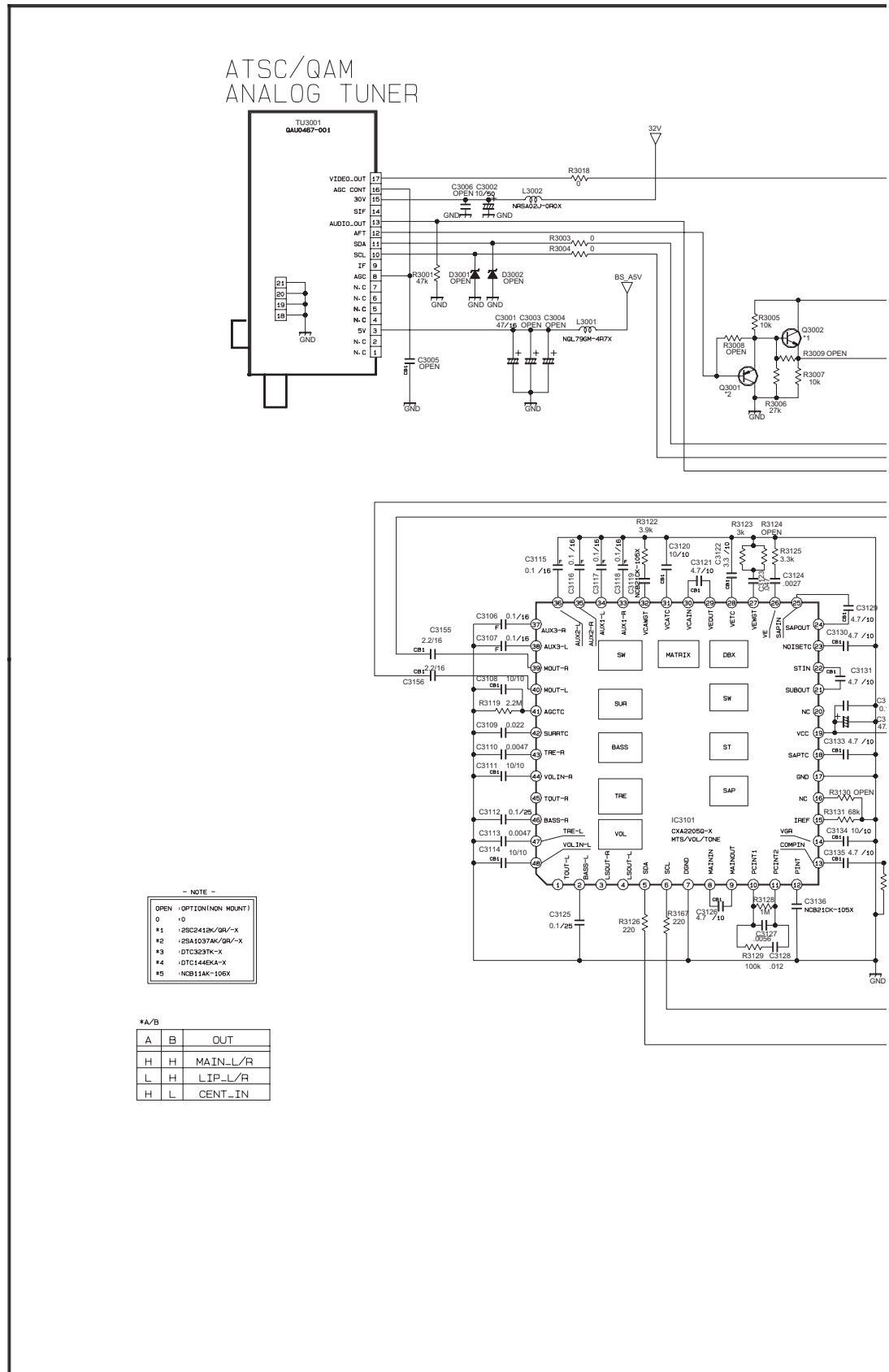
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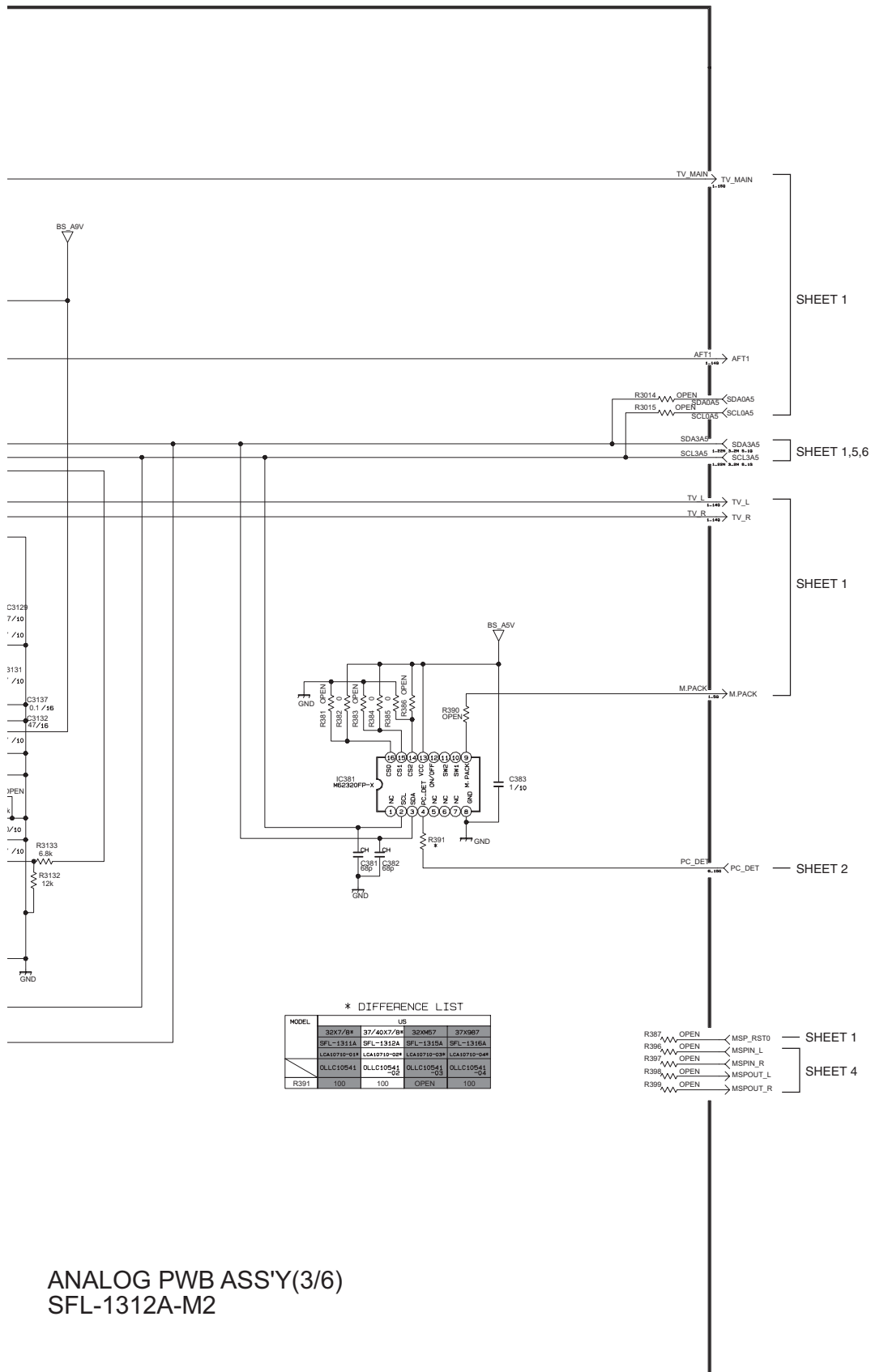
(No.YA430)2-8

2-9(No.YA430)

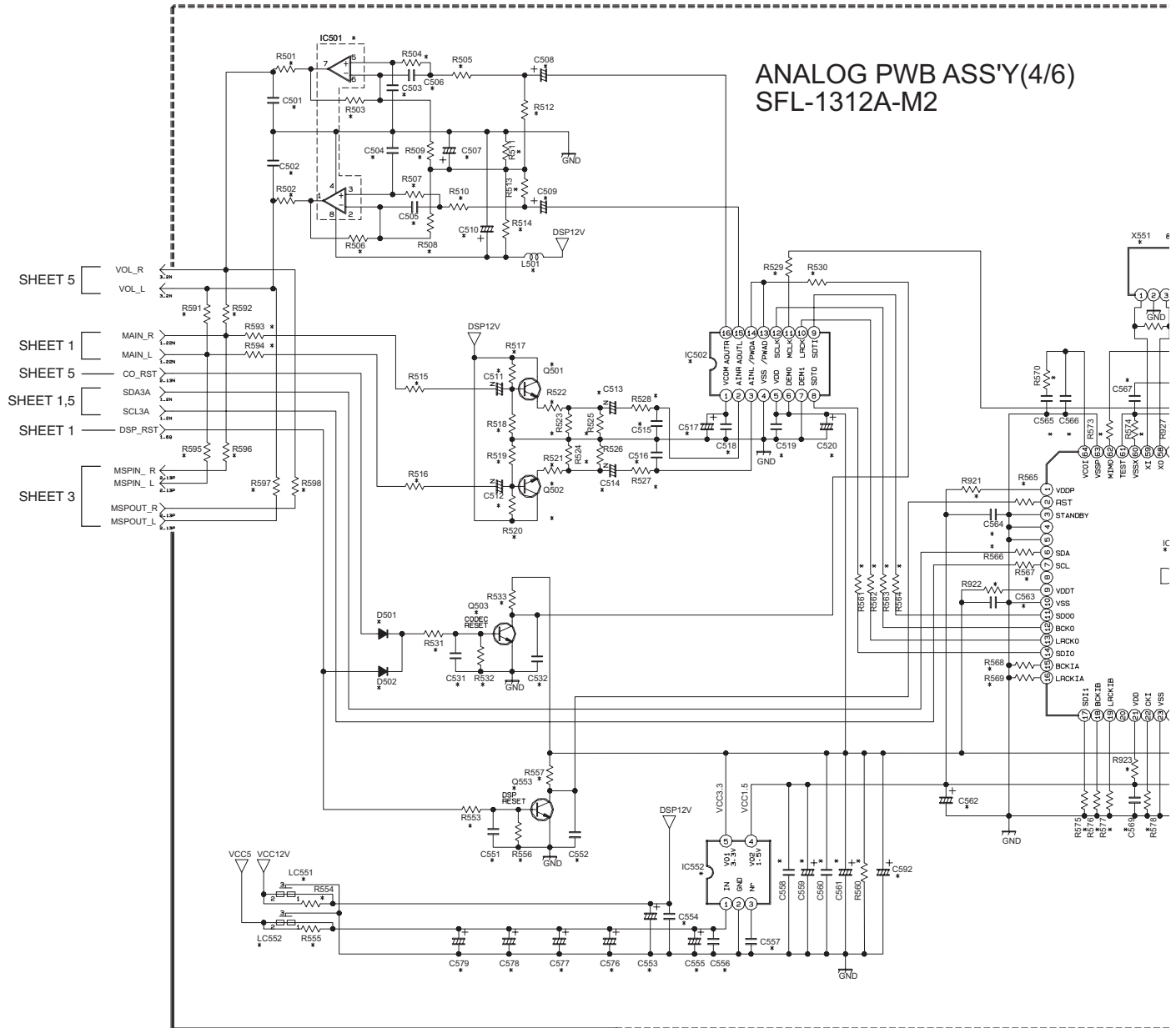


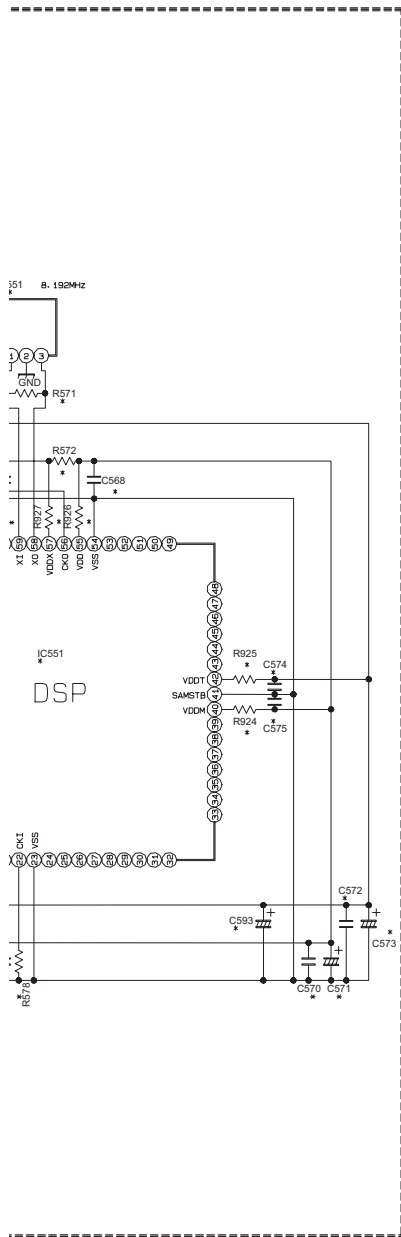






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\* DIFFERENCE LIST

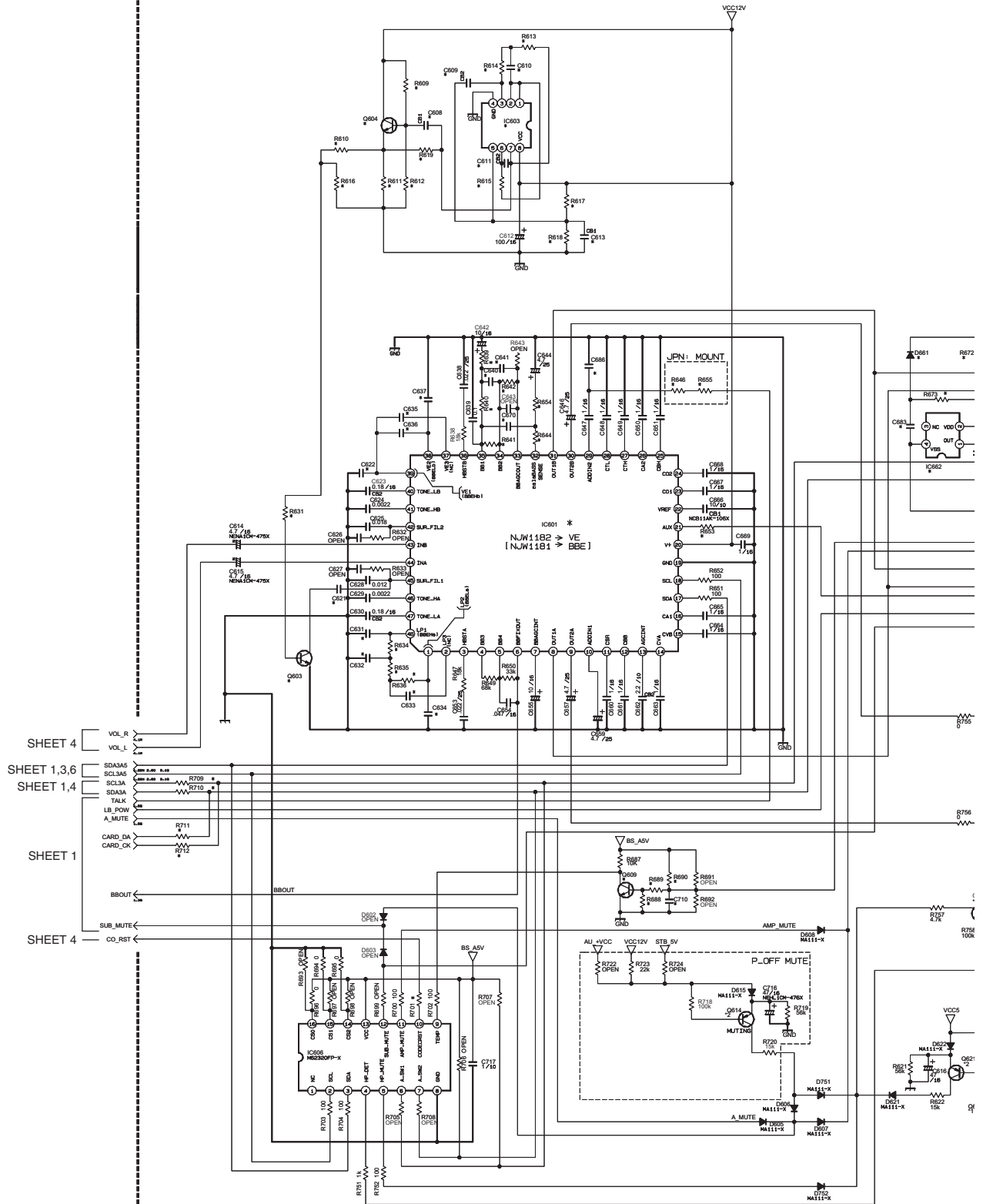
MODEL	JPN	US							
		32X7/B*	37/40X7/B*	32X57	37X97	40/46FH7	40/46FH7	40/46FH7	40/46FH7
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1313A	SFL-1314A	SFL-1314A
	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A
	DLIC10586	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541
IC501	HA1758AF-X	OPEN	OPEN	OPEN	HA1758AF-X	HA1758AF-X	HA1758AF-X	HA1758AF-X	HA1758AF-X
IC502	AK4554VT-X	OPEN	OPEN	OPEN	AK4554VT-X	AK4554VT-X	AK4554VT-X	AK4554VT-X	AK4554VT-X
IC551	JCC5067	OPEN	OPEN	OPEN	JCC5067	JCC5067	JCC5067	JCC5067	JCC5067
IC552	P8L3152MS-X	OPEN	OPEN	OPEN	P8L3152MS-X	P8L3152MS-X	P8L3152MS-X	P8L3152MS-X	P8L3152MS-X
X551	NA10637-001X	OPEN	OPEN	OPEN	NA10637-001X	NA10637-001X	NA10637-001X	NA10637-001X	NA10637-001X
L501	NR6A3J-220X	OPEN	OPEN	OPEN	NR6A3J-220X	NR6A3J-220X	NR6A3J-220X	NR6A3J-220X	NR6A3J-220X
LC551	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
LC552	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q501	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN	NPN	NPN
Q502	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN	NPN	NPN
Q503	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN	NPN	NPN
Q553	NPN	OPEN	OPEN	OPEN	NPN	NPN	NPN	NPN	NPN
R501	220	OPEN	OPEN	OPEN	220	220	220	220	220
R502	220	OPEN	OPEN	OPEN	220	220	220	220	220
R503	4.7k	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k	4.7k	4.7k
R504	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R505	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R506	4.7k	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k	4.7k	4.7k
R507	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R508	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R509	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R510	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R511	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R512	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R513	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R514	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R515	0	OPEN	OPEN	OPEN	0	0	0	0	0
R516	0	OPEN	OPEN	OPEN	0	0	0	0	0
R517	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R518	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R519	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R520	33k	OPEN	OPEN	OPEN	33k	33k	33k	33k	33k
R521	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R522	3.3k	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k	3.3k	3.3k
R523	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R524	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R525	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R526	1k	OPEN	OPEN	OPEN	1k	1k	1k	1k	1k
R527	470	OPEN	OPEN	OPEN	470	470	470	470	470
R528	470	OPEN	OPEN	OPEN	470	470	470	470	470
R529	100	OPEN	OPEN	OPEN	100	100	100	100	100
R530	0	OPEN	OPEN	OPEN	0	0	0	0	0
R531	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R532	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R533	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R553	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R554	0	OPEN	OPEN	OPEN	0	0	0	0	0
R555	0	OPEN	OPEN	OPEN	0	0	0	0	0
R556	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R557	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R560	6.8k	OPEN	OPEN	OPEN	6.8k	6.8k	6.8k	6.8k	6.8k
R561	220	OPEN	OPEN	OPEN	220	220	220	220	220
R562	220	OPEN	OPEN	OPEN	220	220	220	220	220
R563	220	OPEN	OPEN	OPEN	220	220	220	220	220
R564	220	OPEN	OPEN	OPEN	220	220	220	220	220
R565	0	OPEN	OPEN	OPEN	0	0	0	0	0
R566	100	OPEN	OPEN	OPEN	100	100	100	100	100
R567	100	OPEN	OPEN	OPEN	100	100	100	100	100
R568	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R569	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R570	100	OPEN	OPEN	OPEN	100	100	100	100	100
R571	1M	OPEN	OPEN	OPEN	1M	1M	1M	1M	1M
R572	4.7	OPEN	OPEN	OPEN	4.7	4.7	4.7	4.7	4.7
R573	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R574	0	OPEN	OPEN	OPEN	0	0	0	0	0
R575	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R576	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R577	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R578	10k	OPEN	OPEN	OPEN	10k	10k	10k	10k	10k
R921	0	OPEN	OPEN	OPEN	0	0	0	0	0
R922	0	OPEN	OPEN	OPEN	0	0	0	0	0
R923	0	OPEN	OPEN	OPEN	0	0	0	0	0
R924	0	OPEN	OPEN	OPEN	0	0	0	0	0
R925	0	OPEN	OPEN	OPEN	0	0	0	0	0
R926	0	OPEN	OPEN	OPEN	0	0	0	0	0
R927	0	OPEN	OPEN	OPEN	0	0	0	0	0
D501	1S3355-X	OPEN	OPEN	OPEN	1S3355-X	1S3355-X	1S3355-X	1S3355-X	1S3355-X
D502	1S3355-X	OPEN	OPEN	OPEN	1S3355-X	1S3355-X	1S3355-X	1S3355-X	1S3355-X

\* DIFFERENCE LIST

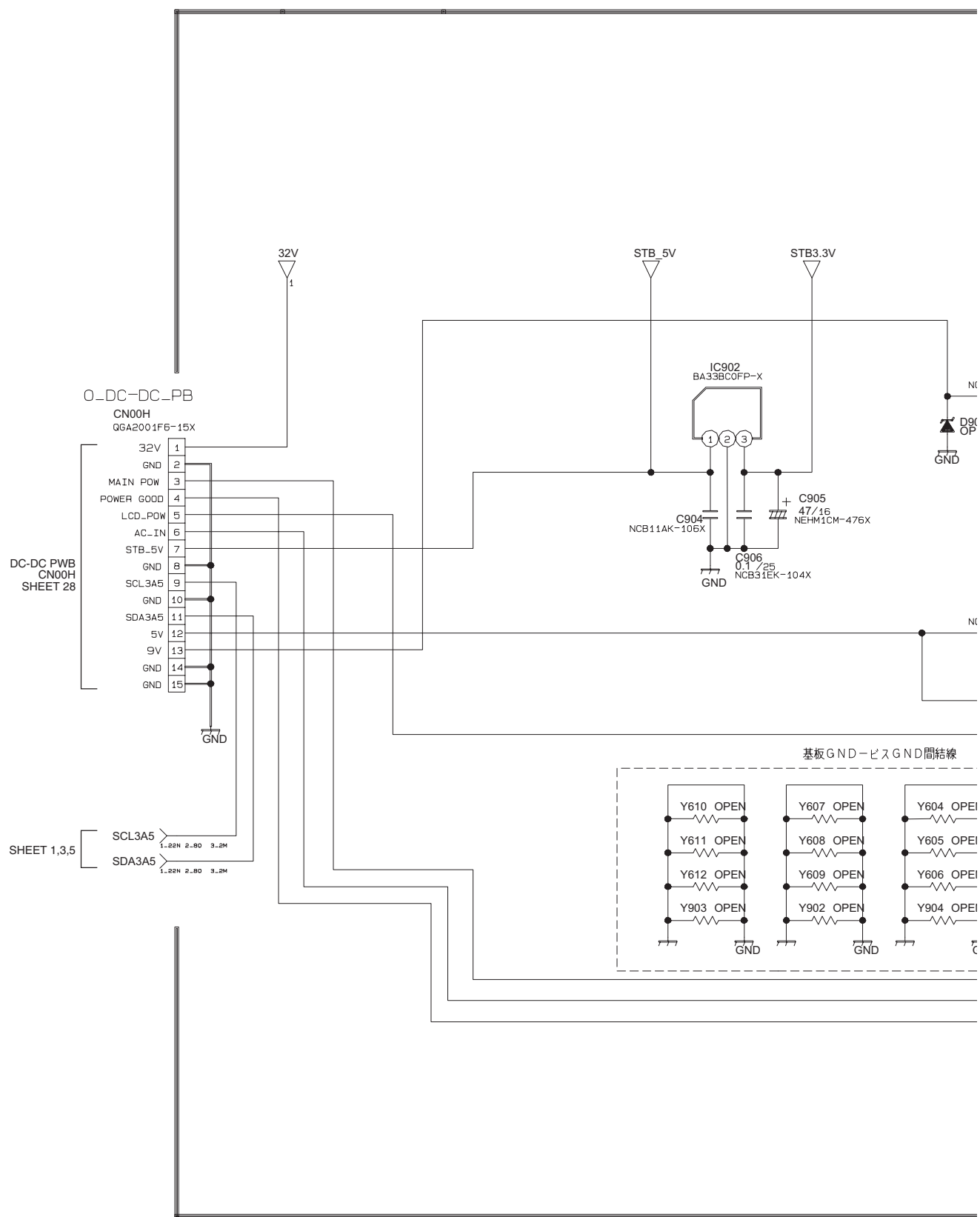
MODEL	JPN	US							
		32X7/B*	37/40X7/B*	32X57	37X97	40/46FH7	40/46FH7	40/46FH7	40/46FH7
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1313A	SFL-1314A	SFL-1314A
	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A
	DLIC10586	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541
R591	OPEN	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN
R592	OPEN	0	0	0	OPEN	OPEN	OPEN	OPEN	OPEN
R593	0	OPEN	OPEN	OPEN	0	0	0	0	0
R594	0	OPEN	OPEN	OPEN	0	0	0	0	0
R595	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R596	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R597	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R598	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

\* DIFFERENCE LIST

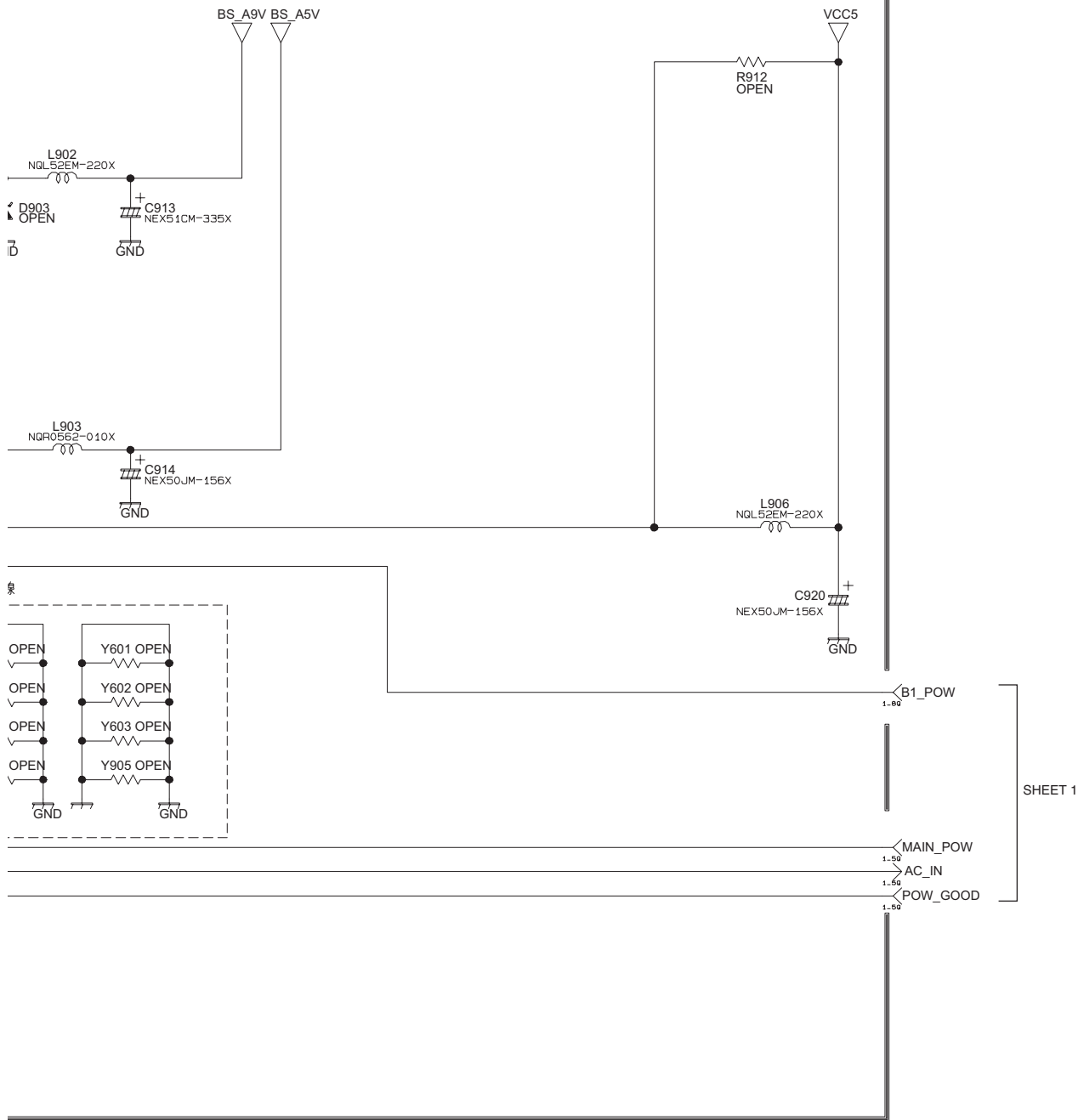
MODEL	JPN	US							
		32X7/B*	37/40X7/B*	32X57	37X97	40/46FH7	40/46FH7	40/46FH7	40/46FH7
	SFL-1321A	SFL-1311A	SFL-1312A	SFL-1315A	SFL-1316A	SFL-1313A	SFL-1313A	SFL-1314A	SFL-1314A
	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A	LCA10710-01A
	DLIC10586	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541	DLIC10541
C501	NCB31K-223X	OPEN	OPEN	OPEN	NCB31K-223X	NCB31K-223X	NCB31K-223X	NCB31K-223X	NCB31K-223X
C502	NCB31K-223X	OPEN	OPEN	OPEN	NCB31K-223X	NCB31K-223X	NCB31K-223X	NCB31K-223X	NCB31K-223X
C503	0.0022	OPEN	OPEN	OPEN	0.0022	0.0022	0.0022	0.0022	0.0022
C504	0.0022	OPEN	OPEN	OPEN	0.0022	0.0022	0.0022	0.0022	0.0022
C505	0.0082	OPEN	OPEN	OPEN	0.0082	0.0082	0.0082	0.0082	0.0082
C506	0.0082	OPEN	OPEN	OPEN	0.0082	0.0082	0.0082	0.0082	0.0082
C507	NEHL1AM-107X	OPEN	OPEN	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C508	1/50	OPEN	OPEN	OPEN	1/50	1/50	1/50	1/50	1/50
C509	1/50	OPEN	OPEN	OPEN	1/50	1/50	1/50	1/50	1/50
C510	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C511	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C512	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C513	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C514	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C515	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C516	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C517	NEHL1CM-475X	OPEN	OPEN	OPEN	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X	NEHL1CM-475X
C518	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1	0.1	0.1
C519	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1	0.1	0.1
C520	NEHL1CM-105X	OPEN	OPEN	OPEN	NEHL1CM-105X	NEHL1CM-105X	NEHL1CM-105X	NEHL1CM-105X	NEHL1CM-105X
C531	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C532	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C551	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C552	1000p	OPEN	OPEN	OPEN	1000p	1000p	1000p	1000p	1000p
C553	4716	OPEN	OPEN	OPEN	4716	4716	4716	4716	4716
C554	0.1	OPEN	OPEN	OPEN	0.1	0.1	0.1	0.1	0.1
C555	NEHL1AM-107X	OPEN	NEHL1AM-107X	OPEN	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X	NEHL1AM-107X
C556	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1	0.1	0.1
C557	0.1	OPEN	0.1	OPEN	0.1	0.1	0.1	0.1	0.1
C558	NCB30J-K-225X	OPEN	NCB30J-K-225X	OPEN	NCB30J-K-225X	NCB30J-K-225X	NCB30J-K-225X	NCB30J-K-225X	NCB30J-K-225X
C559	NEHL1CM-225X	OPEN	NEHL1CM-225X	OPEN	NEHL1CM-225X	NEHL1CM-225X	NEHL1CM-225X	NEHL1CM-225X	NEHL1CM-225X
C560	NCB30J-K-225X	OPEN	NCB30J-K-225X	OPEN	NCB30J-K-225X	NCB30J-K-225X	NCB30J-K-225X	NCB30J-K-225X	NCB

ANALOG PWB A1  
SFL-1312A-M2



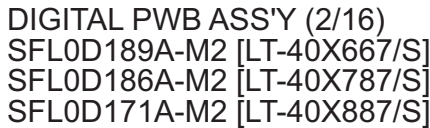


ANALOG PWB ASS'Y(6/6)  
SFL-1312A-M2



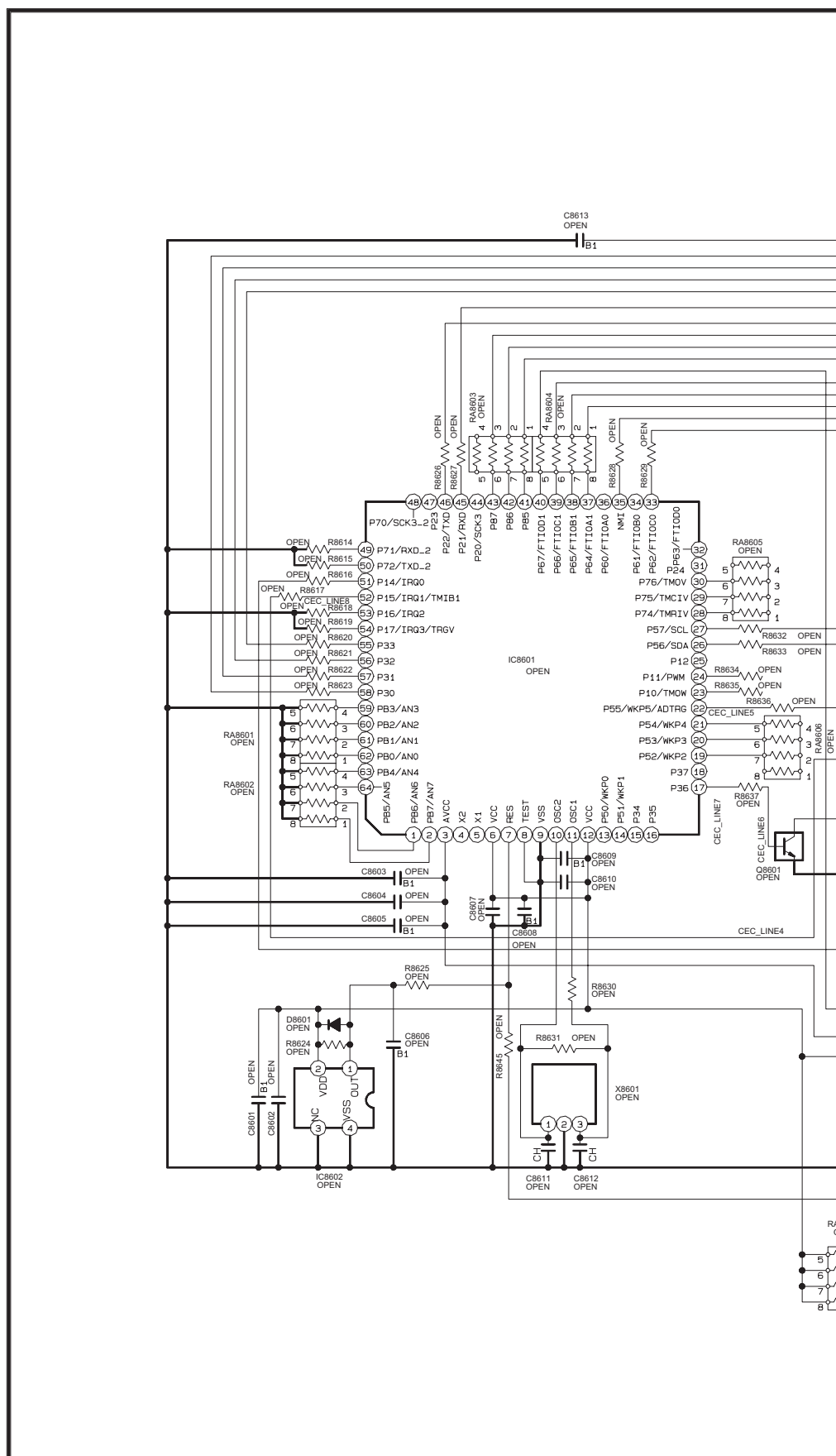






ASSY NO.	MODEL LIST
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SFL-0D0072A	LT-37L C85A
SFL-0D1007A (LCA10708-56A)	LT-26LC80A
SFL-0D1017A (LCA10708-56A)	LT-40X8875A
SFL-0D1056A (LCA10708-56A)	LT-40X8785A
SFL-0D1072A (LCA10708-56A)	LT-37X8872A
SFL-0D173A (LCA10708-56A)	LT-37X7872A
SFL-0D174A	LT-32X8887A
SFL-0D175A	LT-32X7872A
SFL-0D178A (LCA10708-56A)	LT-32X6672A
SFL-0D180A (LCA10708-56A)	LT-32XMS72A
SFL-0D182A (LCA10708-56A)	LT-46FH975A
SFL-0D183A (LCA10708-56A)	LT-40FH975A
SFL-0D184A (LCA10708-56A)	LT-46FN975A
SFL-0D185A (LCA10708-56A)	LT-40FN975A

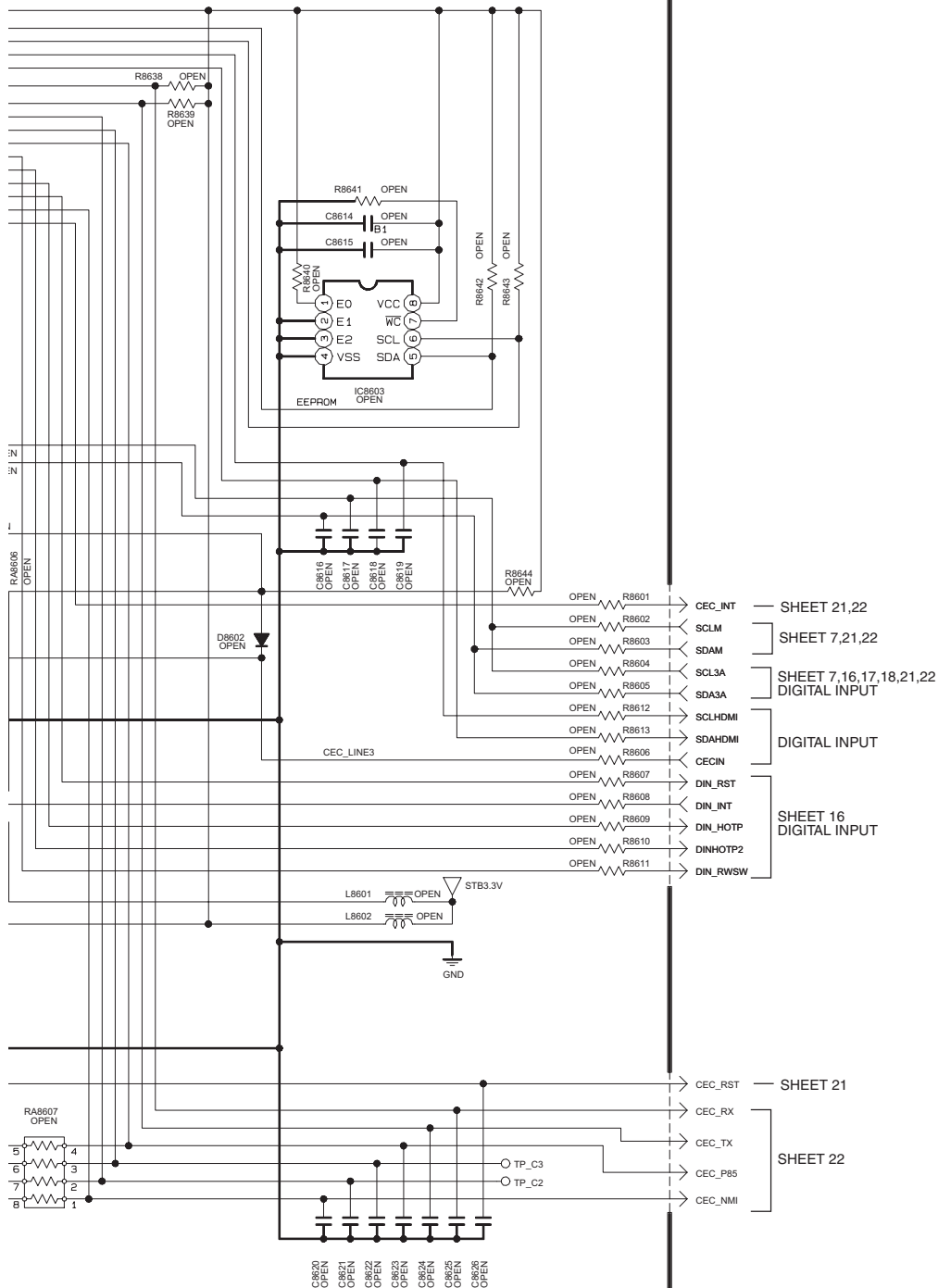


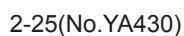


DIGITAL PWB ASS'Y (3/16)  
SFL0D189A-M2 [LT-40X667/S]  
SFL0D186A-M2 [LT-40X787/S]  
SFL0D171A-M2 [LT-40X887/S]

NOTE.

\*1:NQR0498-001X  
\*2:NQR0489-002X  
\*4:MA111-X  
\*5:NQR0499-001X  
RA0:NRZ0034-0R0W  
PNP:2SA1530A/QR/-X  
NPN:2SC3928A/QR/-X  
L10:NQL79GM-100X  
L22:NQL79GM-220X





The schematic diagram illustrates the internal circuitry of the A-98h board, focusing on the connection of three RA6400-series chips (RA6401, RA6402, RA6403) and their associated peripheral components.

**Power Supply Section:**

- 418V Input:** Connected to the C6430 capacitor and the 418V pin of the 3401 JPEN connector.
- 10V Regulator:** A 10V regulator (L6404) is connected to the 10V pin of the 3401 JPEN connector. Its output is connected to the VREG IN pin of the RA6401 chip.
- 5V Regulator:** A 5V regulator (L6404) is connected to the 5V pin of the 3401 JPEN connector. Its output is connected to the VREG OUT pin of the RA6401 chip.

**RA6401 Chip Connections:**

- Power and Ground:** VCORE, DQND, VD, and GND pins are connected to the power and ground planes.
- Control Signals:** BP0, BP1, BP2, BP3, BP4, BP5, BP6, and BP7 pins are connected to the control signals.
- Data Signals:** DQ0, DQ1, DQ2, DQ3, DQ4, DQ5, DQ6, and DQ7 pins are connected to the data bus.
- Resistors:** R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, and R54 are connected to the control and data pins.
- Capacitors:** C6431, C6432, C6433, C6434, and C6435 are connected to the power and ground pins.
- Outputs:** The RA6401 chip has 16 outputs (DVI\_B0-DVI\_B7) connected to the DVI\_B0-DVI\_B7 pins of the 3401 JPEN connector.

**RA6402 Chip Connections:**

- Power and Ground:** VCORE, DQND, VD, and GND pins are connected to the power and ground planes.
- Control Signals:** GP0, GP1, GP2, GP3, GP4, GP5, GP6, and GP7 pins are connected to the control signals.
- Data Signals:** DQ0, DQ1, DQ2, DQ3, DQ4, DQ5, DQ6, and DQ7 pins are connected to the data bus.
- Resistors:** R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, and R54 are connected to the control and data pins.
- Capacitors:** C6431, C6432, C6433, C6434, and C6435 are connected to the power and ground pins.
- Outputs:** The RA6402 chip has 16 outputs (DVI\_Y0-DVI\_Y7) connected to the DVI\_Y0-DVI\_Y7 pins of the 3401 JPEN connector.

**RA6403 Chip Connections:**

- Power and Ground:** VCORE, DQND, VD, and GND pins are connected to the power and ground planes.
- Control Signals:** RS0, RS1, RS2, RS3, and RS4 pins are connected to the control signals.
- Data Signals:** DQ0, DQ1, DQ2, DQ3, DQ4, DQ5, DQ6, and DQ7 pins are connected to the data bus.
- Resistors:** R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, and R54 are connected to the control and data pins.
- Capacitors:** C6431, C6432, C6433, C6434, and C6435 are connected to the power and ground pins.
- Outputs:** The RA6403 chip has 8 outputs (DVI\_R0-DVI\_R7) connected to the DVI\_R0-DVI\_R7 pins of the 3401 JPEN connector.

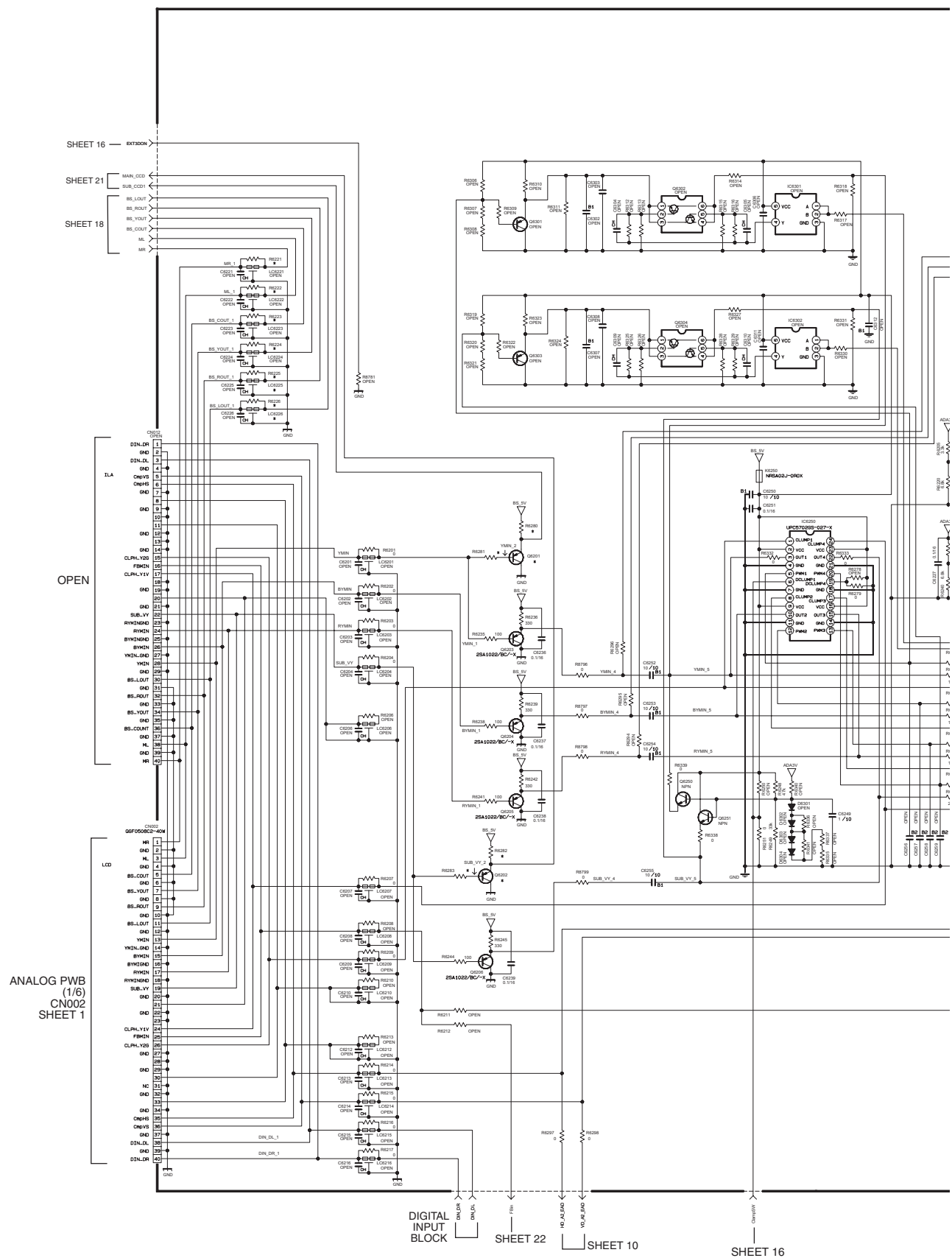
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graph LR
    DVI_VT_0[DVI_VT-0] --> DVI_VT_0_0[DVI_VT-0_0]
    DVI_VT_0 --> DVI_VT_0_1[DVI_VT-0_1]
    DVI_VT_0 --> DVI_VT_0_2[DVI_VT-0_2]
    DVI_VT_0 --> DVI_VT_0_3[DVI_VT-0_3]
    DVI_VT_0 --> DVI_VT_0_4[DVI_VT-0_4]
    DVI_VT_0 --> DVI_VT_0_5[DVI_VT-0_5]
    DVI_VT_0 --> DVI_VT_0_6[DVI_VT-0_6]
    DVI_VT_0 --> DVI_VT_0_7[DVI_VT-0_7]
    DVI_VT_1[DVI_VT-1] --> DVI_VT_1_0[DVI_VT-1_0]
    DVI_VT_1 --> DVI_VT_1_1[DVI_VT-1_1]
    DVI_VT_1 --> DVI_VT_1_2[DVI_VT-1_2]
    DVI_VT_1 --> DVI_VT_1_3[DVI_VT-1_3]
    DVI_VT_1 --> DVI_VT_1_4[DVI_VT-1_4]
    DVI_VT_1 --> DVI_VT_1_5[DVI_VT-1_5]
    DVI_VT_1 --> DVI_VT_1_6[DVI_VT-1_6]
    DVI_VT_1 --> DVI_VT_1_7[DVI_VT-1_7]
    DVI_BT_0[DVI_BT-0] --> DVI_BT_0_0[DVI_BT-0_0]
    DVI_BT_0 --> DVI_BT_0_1[DVI_BT-0_1]
    DVI_BT_0 --> DVI_BT_0_2[DVI_BT-0_2]
    DVI_BT_0 --> DVI_BT_0_3[DVI_BT-0_3]
    DVI_BT_0 --> DVI_BT_0_4[DVI_BT-0_4]
    DVI_BT_0 --> DVI_BT_0_5[DVI_BT-0_5]
    DVI_BT_0 --> DVI_BT_0_6[DVI_BT-0_6]
    DVI_BT_0 --> DVI_BT_0_7[DVI_BT-0_7]
  
```

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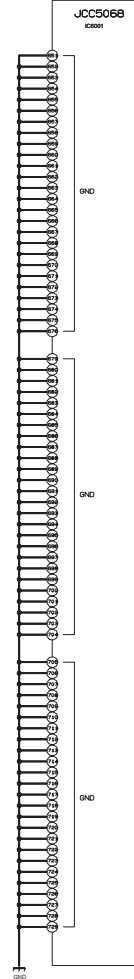
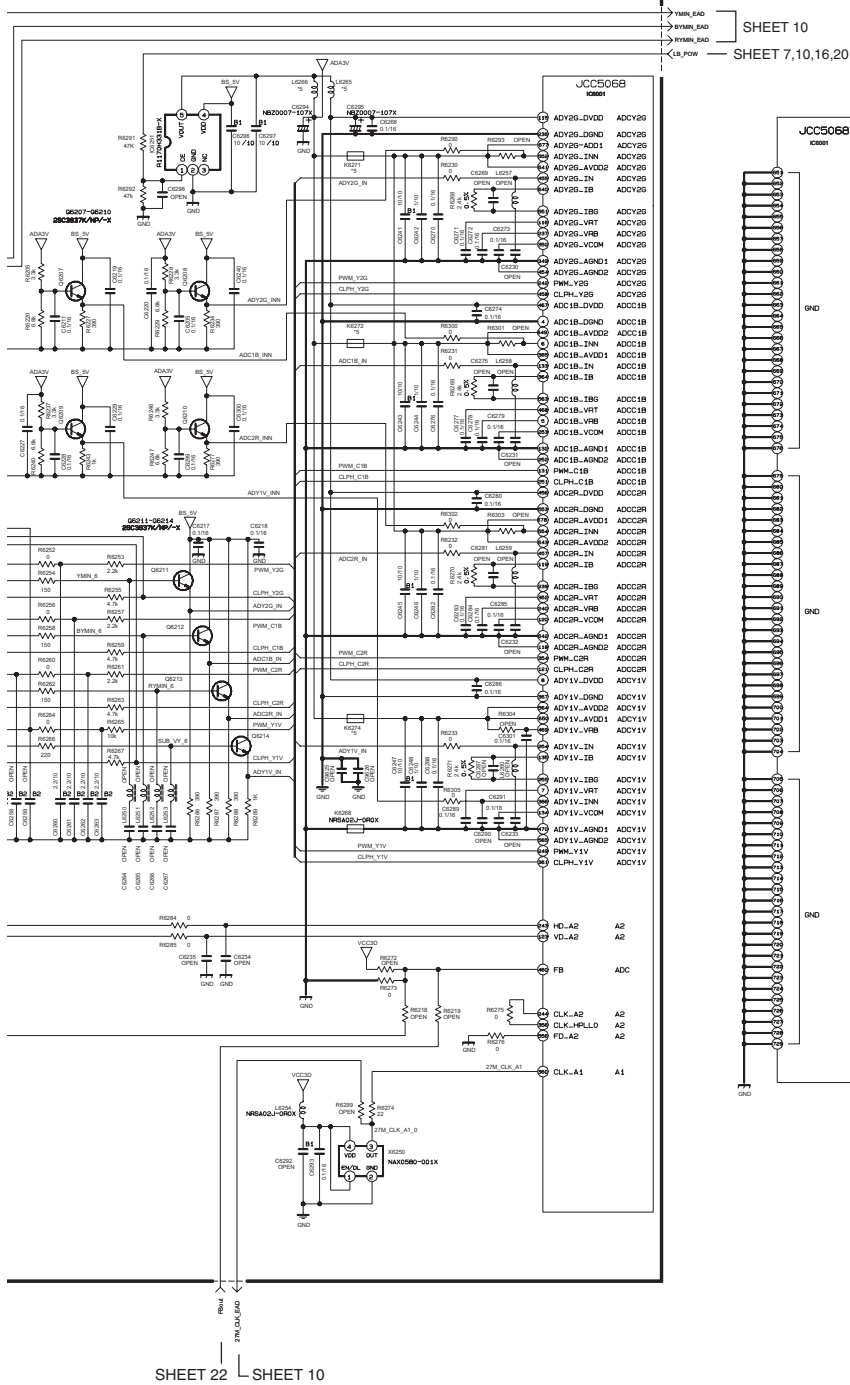
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DIGITAL PWB ASS'Y (5/16)  
SFL0D189A-M2 [LT-40X667/S]  
SFL0D186A-M2 [LT-40X787/S]  
SFL0D171A-M2 [LT-40X887/S]

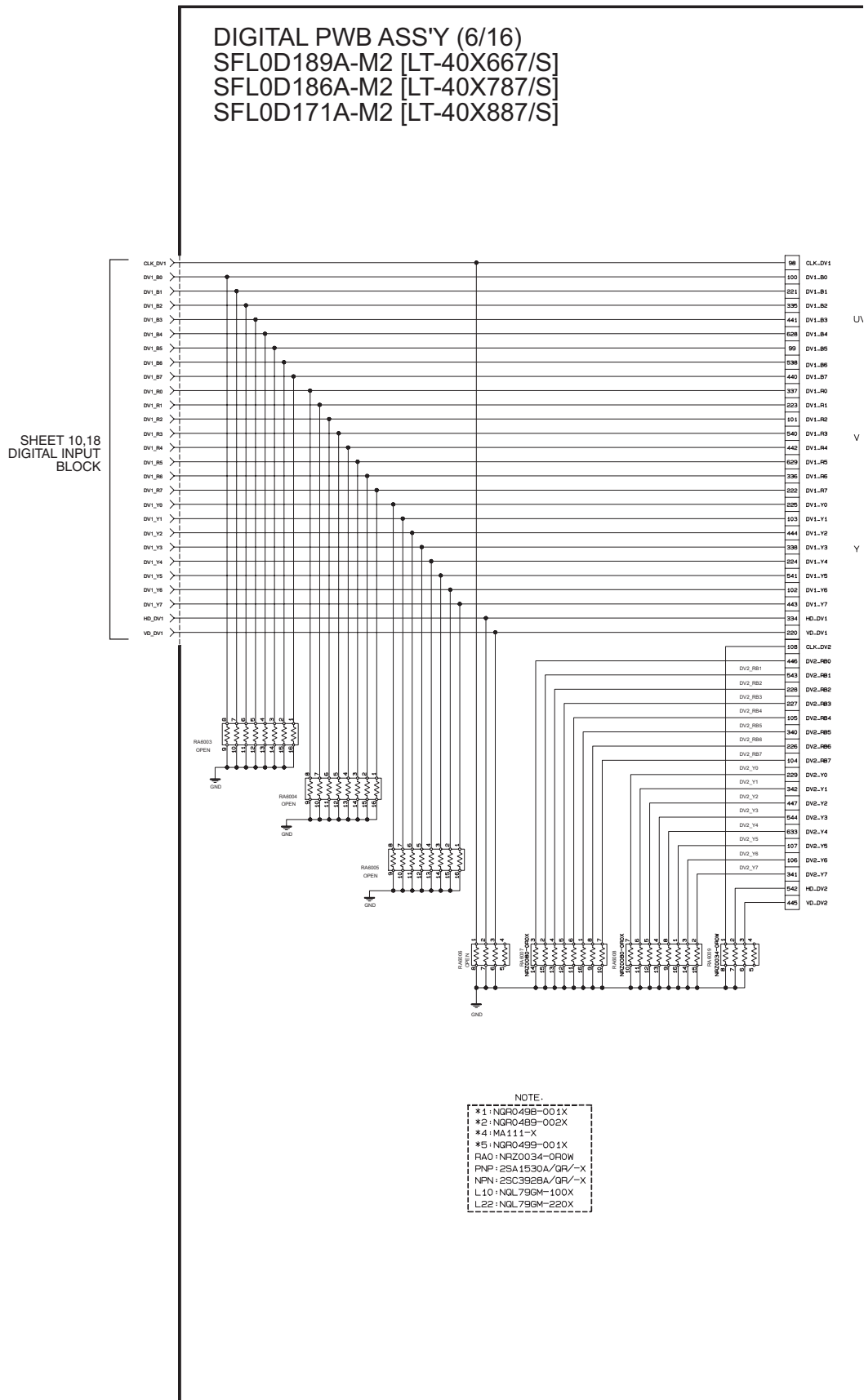
## \* DIFFERENCE LIST

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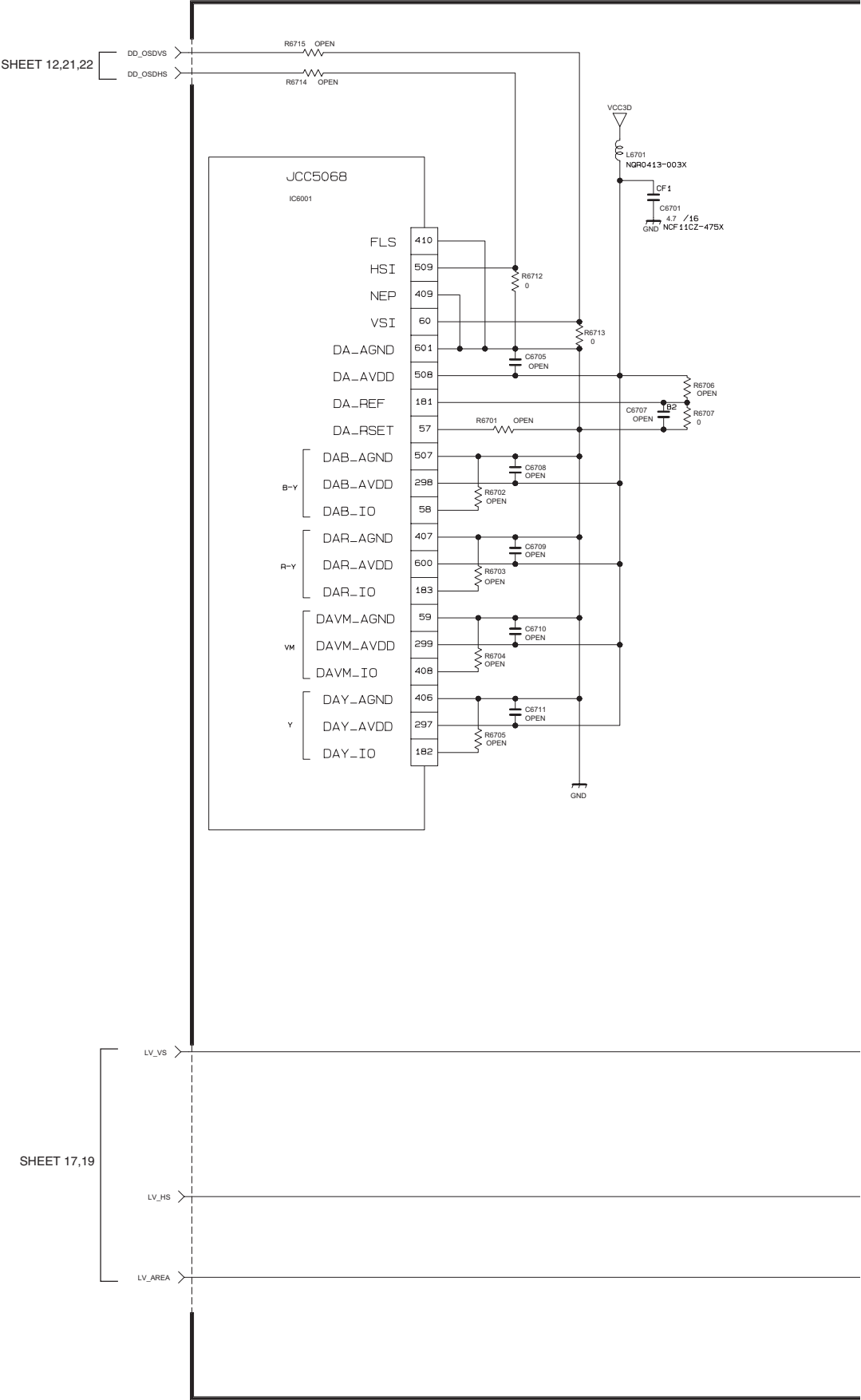
ASSY NO.	MODEL LIST
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SFL-00072A (LCA107P-06A)	LT-37LC85A
SFL-00074A (LCA107P-06A)	LT-26LC80A
SFL-00147A (LCA107P-06A)	LT-40X8B75A
SFL-00148A (LCA107P-06A)	LT-40X7B75A
SFL-00147A (LCA107P-06A)	LT-37X8B72A
SFL-00173A (LCA107P-06A)	LT-37X7B72A
SFL-00174A (LCA107P-06A)	LT-32X8B72A
SFL-00175A (LCA107P-06A)	LT-32X7B72A
SFL-00178A (LCA107P-06A)	LT-32X6672A
SFL-00180A (LCA107P-06A)	LT-32XW672A
SFL-00182A (LCA107P-06A)	LT-46FH975A
SFL-00183A (LCA107P-06A)	LT-40FH975A
SFL-00184A (LCA107P-06A)	LT-46FN975A
SFL-00185A (LCA107P-06A)	LT-40FN975A

NOTE.

\*1:NGR0498-001X  
\*2:NGR0489-002X  
\*4:MA111-X  
\*5:NGR0499-001X  
RA0:NRZ0034-0R0W  
PNP:2SA1530A/QR/-X  
NPN:2SC3928A/QR/-X  
L10:NQL796M-100X  
L22:NQL796M-220X



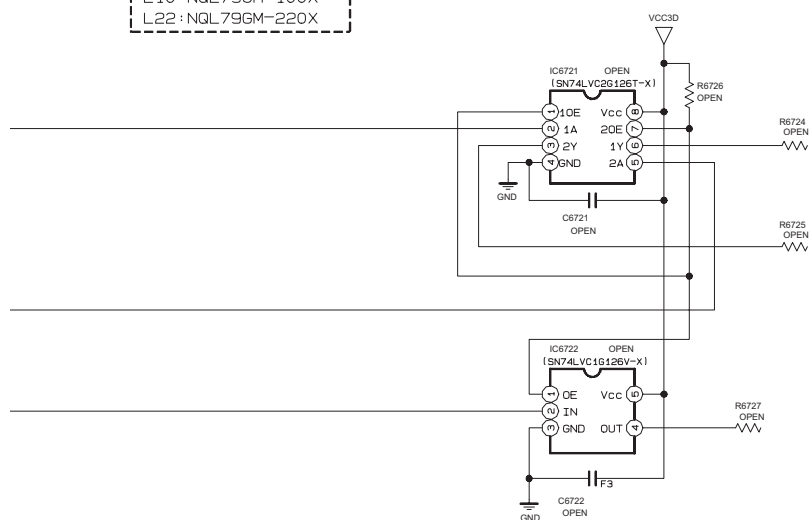




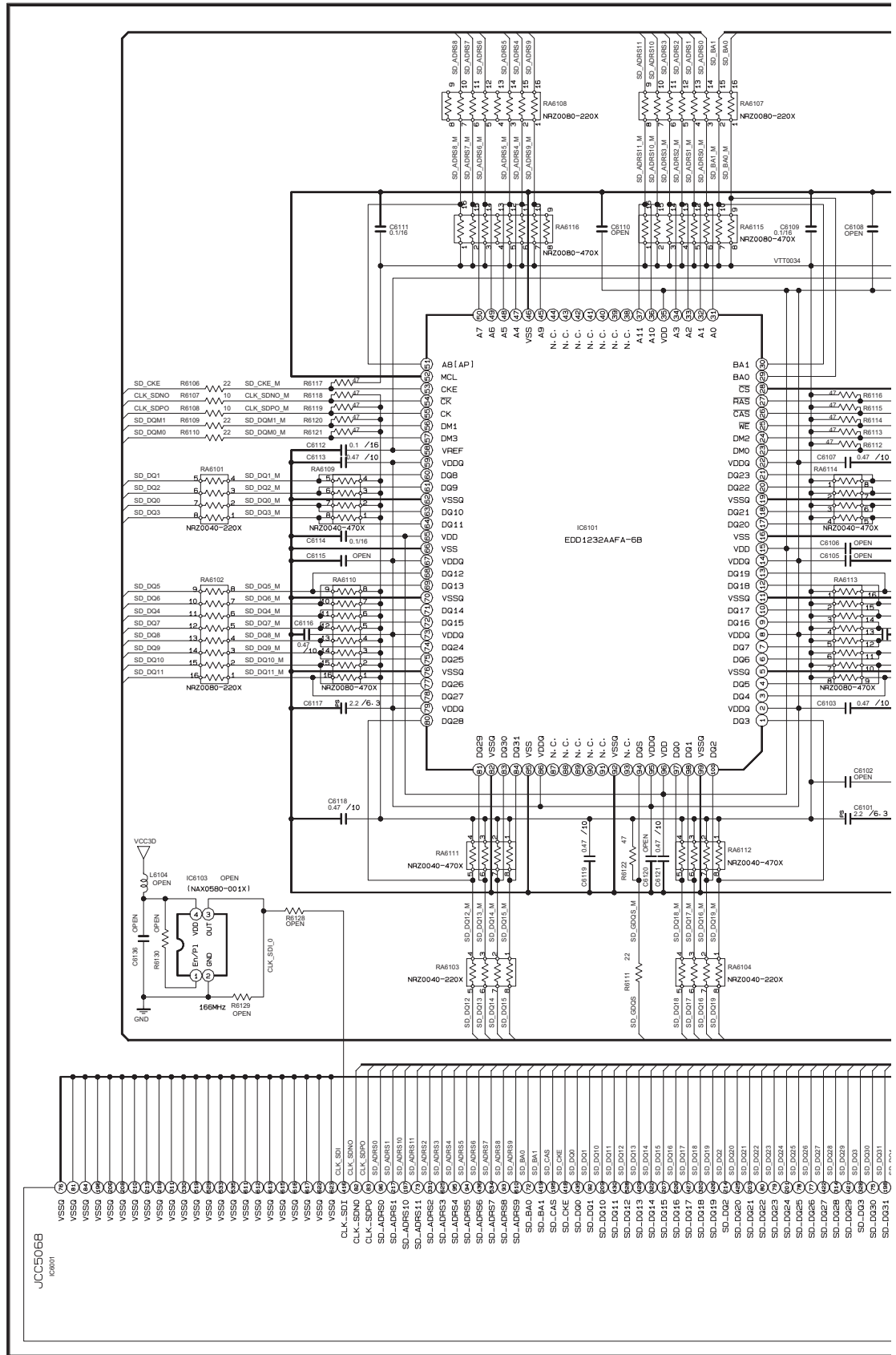
DIGITAL PWB ASS'Y (7/16)  
SFL0D189A-M2 [LT-40X667/S]  
SFL0D186A-M2 [LT-40X787/S]  
SFL0D171A-M2 [LT-40X887/S]

NOTE.

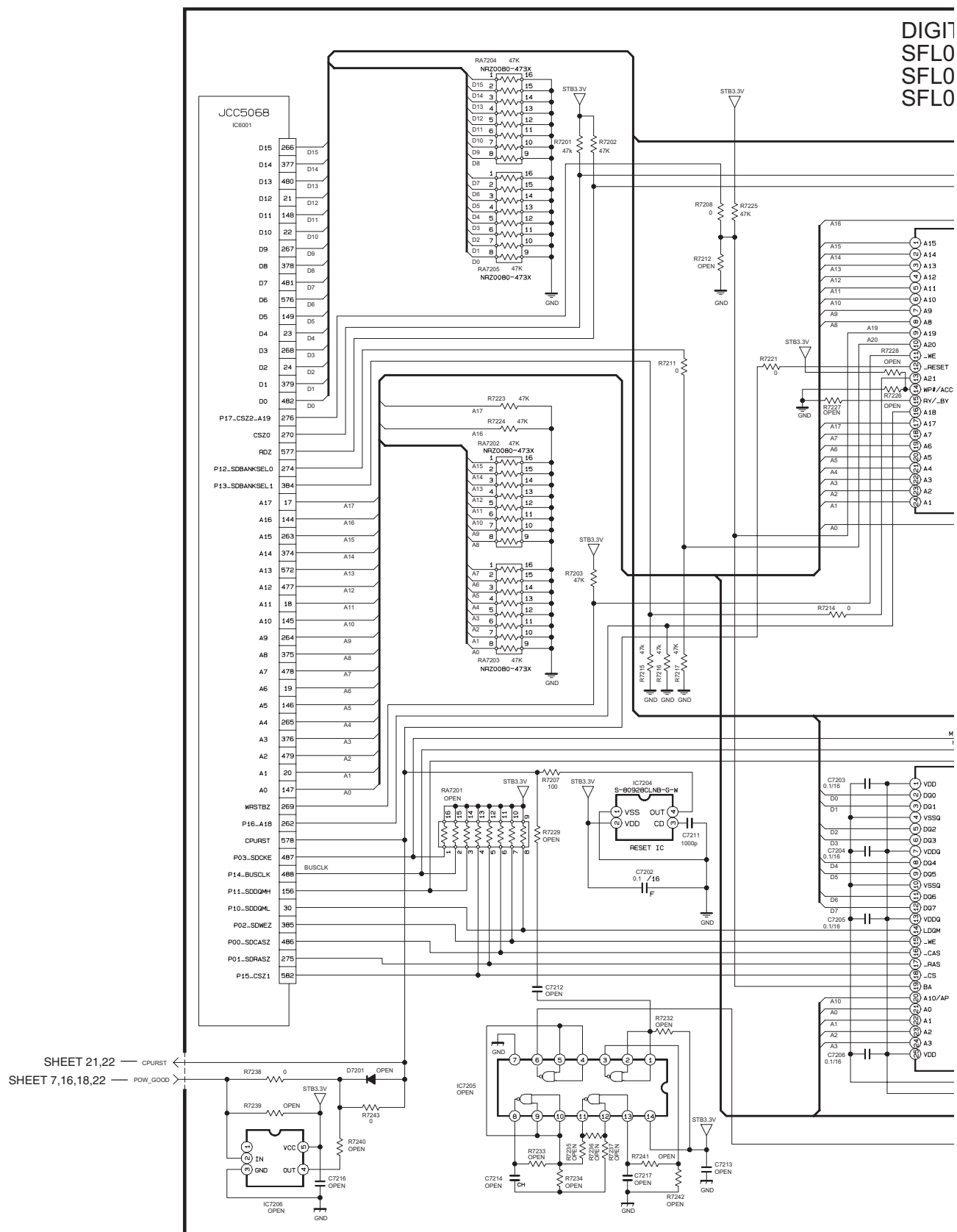
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\*2: NQR0489-002X  
\*4: MA111-X  
\*5: NQR0499-001X  
RA0: NRZ0034-0R0W  
PNP: 2SA1530A/QR/-X  
NPN: 2SC3928A/QR/-X  
L10: NQL79GM-100X  
L22: NQL79GM-220X



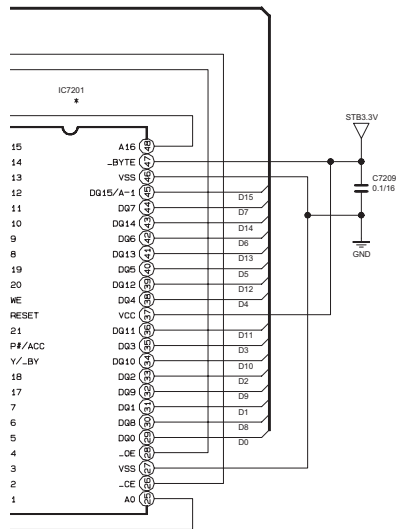
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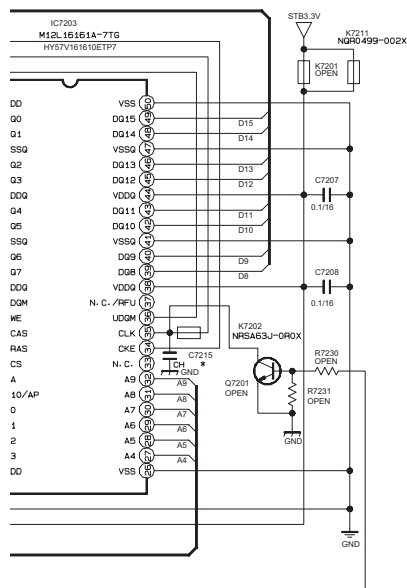
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L0D189A-M2 [LT-40X667/S]  
L0D186A-M2 [LT-40X787/S]  
L0D171A-M2 [LT-40X887/S]



\* DIFFERENCE LIST

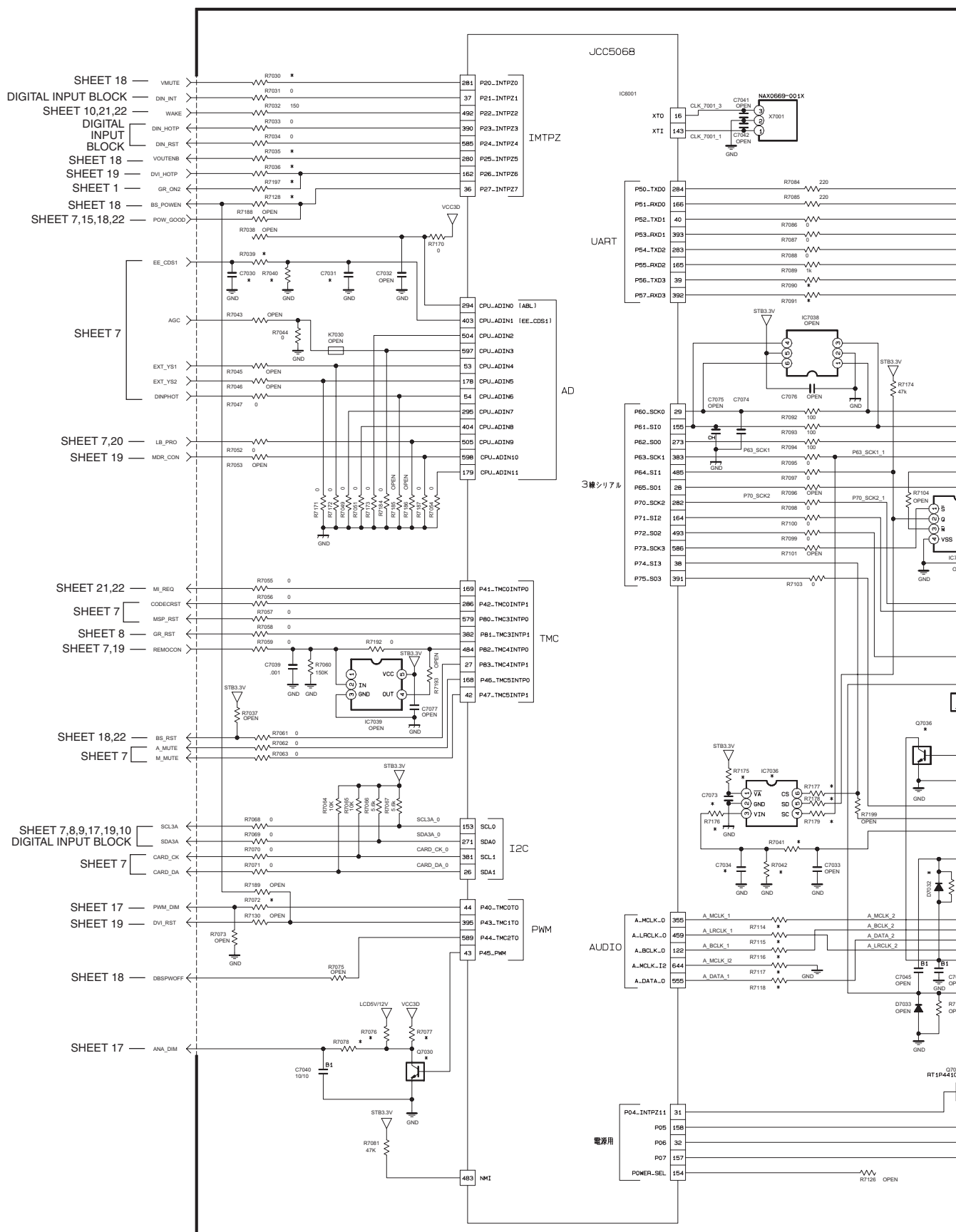
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ASSY NO. - MODEL LIST -

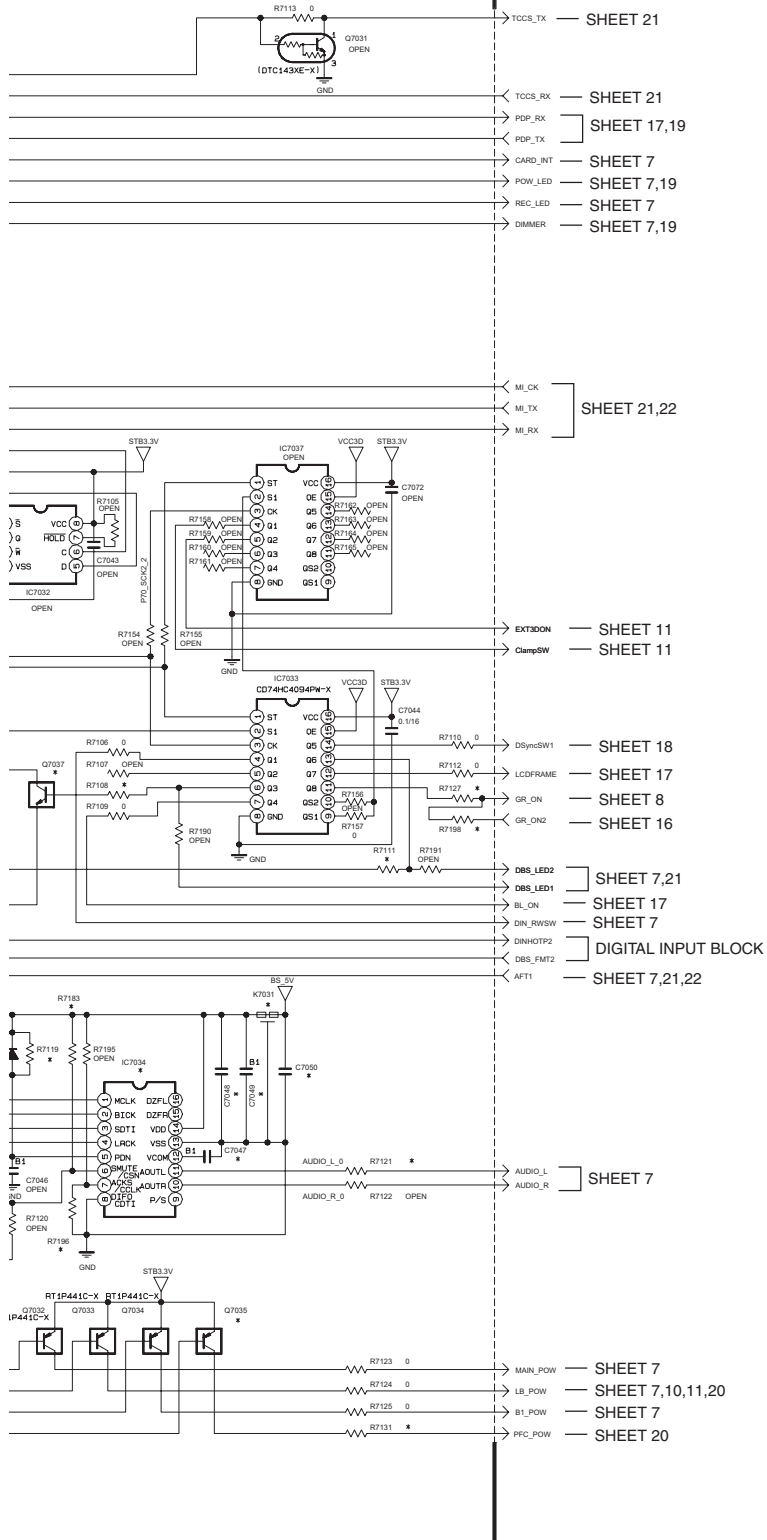
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SFL--00D072A (LCA10/F07072A)	..	LT--37L085A
SFL--00D073A (LCA10/F07073A)	..	LT--26L080A
SFL--00171A (LCA10/F07171A)	..	LT--40X8875A
SFL--00172A (LCA10/F07172A)	..	LT--40X7875A
SFL--00172A (LCA10/F07072A)	..	LT--37X8872A
SFL--00174A (LCA10/F07174A)	..	LT--37X7872A
SFL--00177A (LCA10/F07177A)	..	LT--32X8872A
SFL--00175A (LCA10/F07175A)	..	LT--32X7872A
SFL--00178A (LCA10/F07178A)	..	LT--32X6672A
SFL--00180A (LCA10/F07180A)	..	LT--32X0572A
SFL--00182A (LCA10/F07182A)	..	LT--46FN975A
SFL--00183A (LCA10/F07183A)	..	LT--40FN975A
SFL--00184A (LCA10/F07184A)	..	LT--46FN975A
SFL--00185A (LCA10/F07185A)	..	LT--40FN975A

NOTE.

\*1: NGR0498-001X  
\*2: NGR0489-002X  
\*4: MA111-X  
\*5: NGR0499-001X  
RA0: NRZ0034-0R0W  
PNP: 2SA1530A/QR/-X  
NPN: 2SC3928A/QR/-X  
L10: NQL798M-100X  
L22: NQL798M-220X

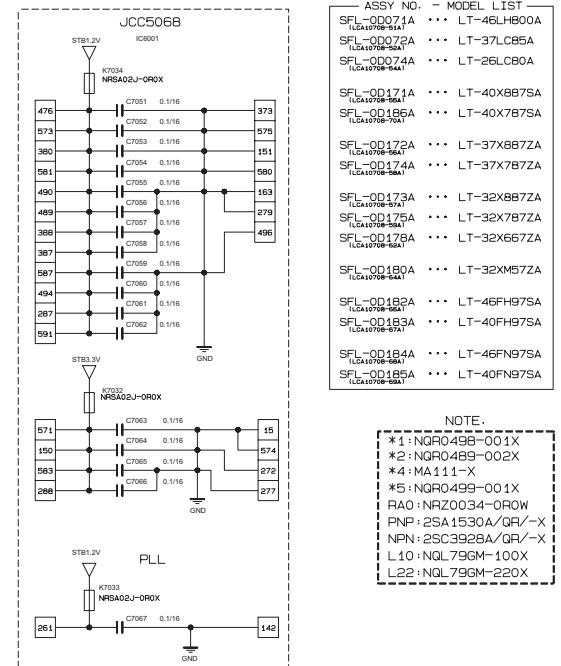


DIGITAL PWB ASS'Y (10/16)  
SFL0D189A-M2 [LT-40X667/S]  
SFL0D186A-M2 [LT-40X787/S]  
SFL0D171A-M2 [LT-40X887/S]

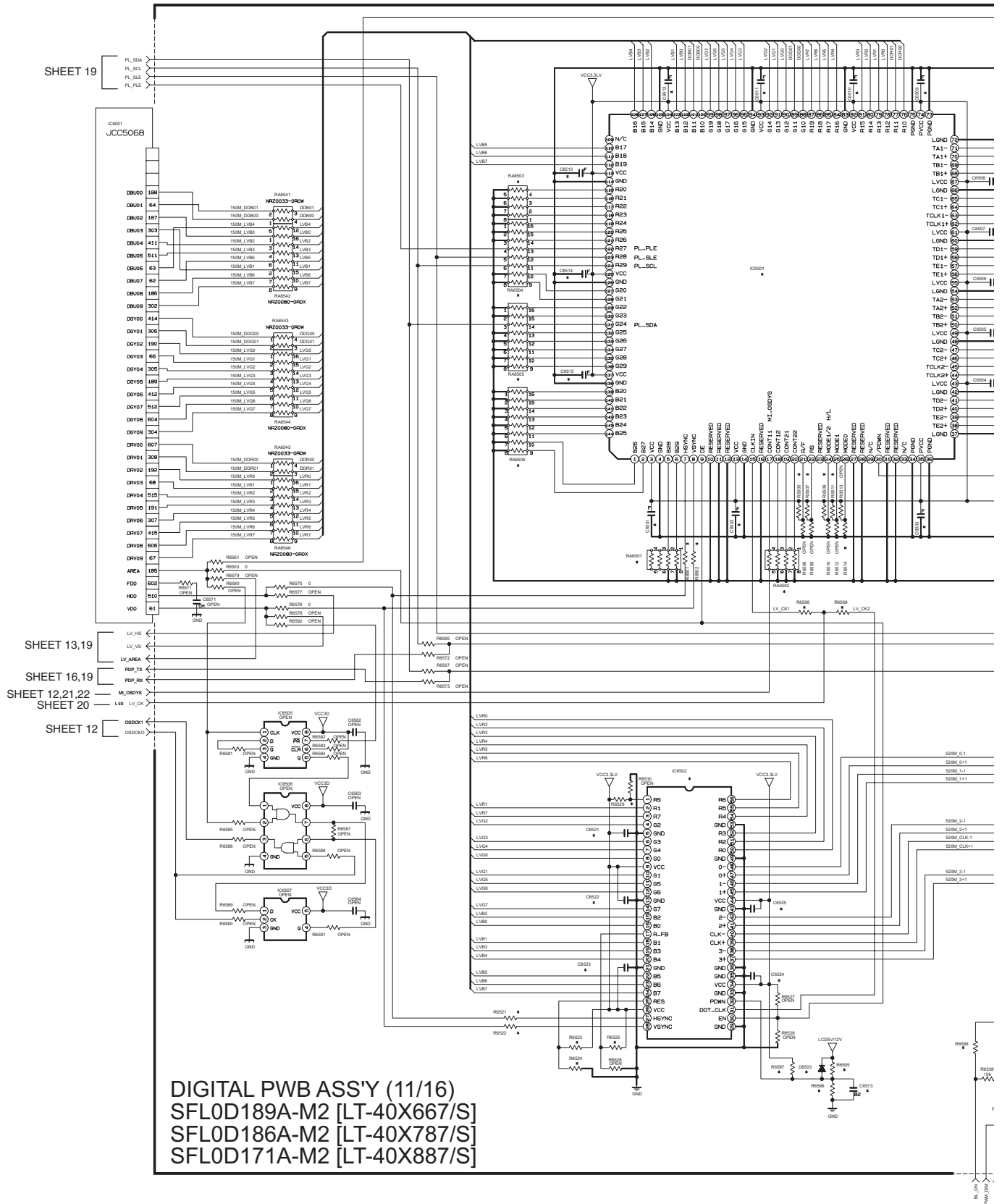


## \* DIFFERENCE LIST

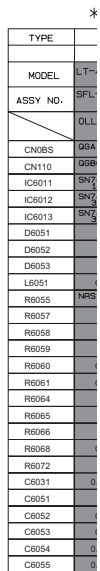
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MODEL	LT-45UB800	LT-37LCB5	LT-26LCB0	LT-40X867 / X787 / X787 / X667	LT-37X867 / X787 / X667	LT-32X867 / X787	LT-32X867	LT-40F907 / X07807	LT-40F907 / X07807
ASSY NO.	SFL-00071A	SFL-00072A	SFL-00074A	SFL-00073A	SFL-00072A	SFL-00173A	SFL-00180A	SFL-00182A	SFL-00184A
				etc	etc	etc	etc	etc	etc
	OLLC10547	OLLC10547	OLLC10547	OLLC10547	OLLC10547	OLLC10547	OLLC10547	OLLC10547	OLLC10547
		-04	-04	-06 etc	-06 etc	-07 etc	-14	-16	-18 etc
IC2034	AKA3M61-X	AKA3M61-X	AKA3M61-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2035	OPEN	OPEN	OPEN	ACOM1381	ACOM1381	ACOM1381	ACOM1381	ACOM1381	ACOM1381
IC2036	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	RT1N441C-X	RT1N441C-X
IC2038	RT1P441C-X	RT1P441C-X	OPEN	RT1P441C-X	RT1P441C-X	OPEN	OPEN	RT1P441C-X	RT1P441C-X
IC2039	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2040	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2041	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2042	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2043	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2044	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2045	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2046	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2047	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2048	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2049	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2050	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2051	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2053	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2055	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2058	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2059	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2060	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2061	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2062	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2063	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2064	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2065	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2066	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2067	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2068	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2073	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2074	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2075	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2077	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2081	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2085	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2086	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2087	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2088	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2089	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2090	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2115	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2157	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2158	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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IC2160	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2161	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2162	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2163	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2164	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2165	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2166	RT1N441C-X	RT1N441C-X	RT1N441C-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC2167									



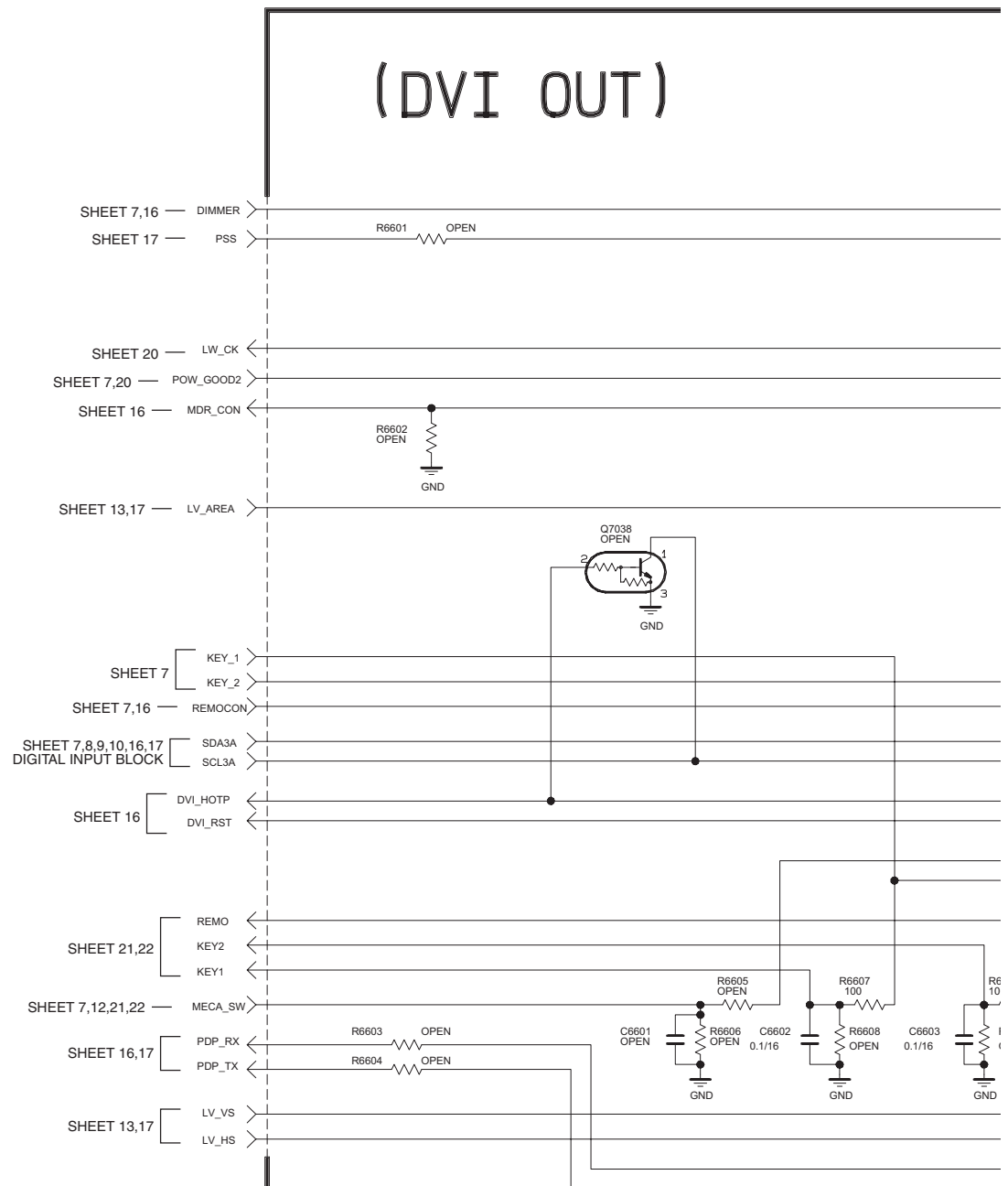
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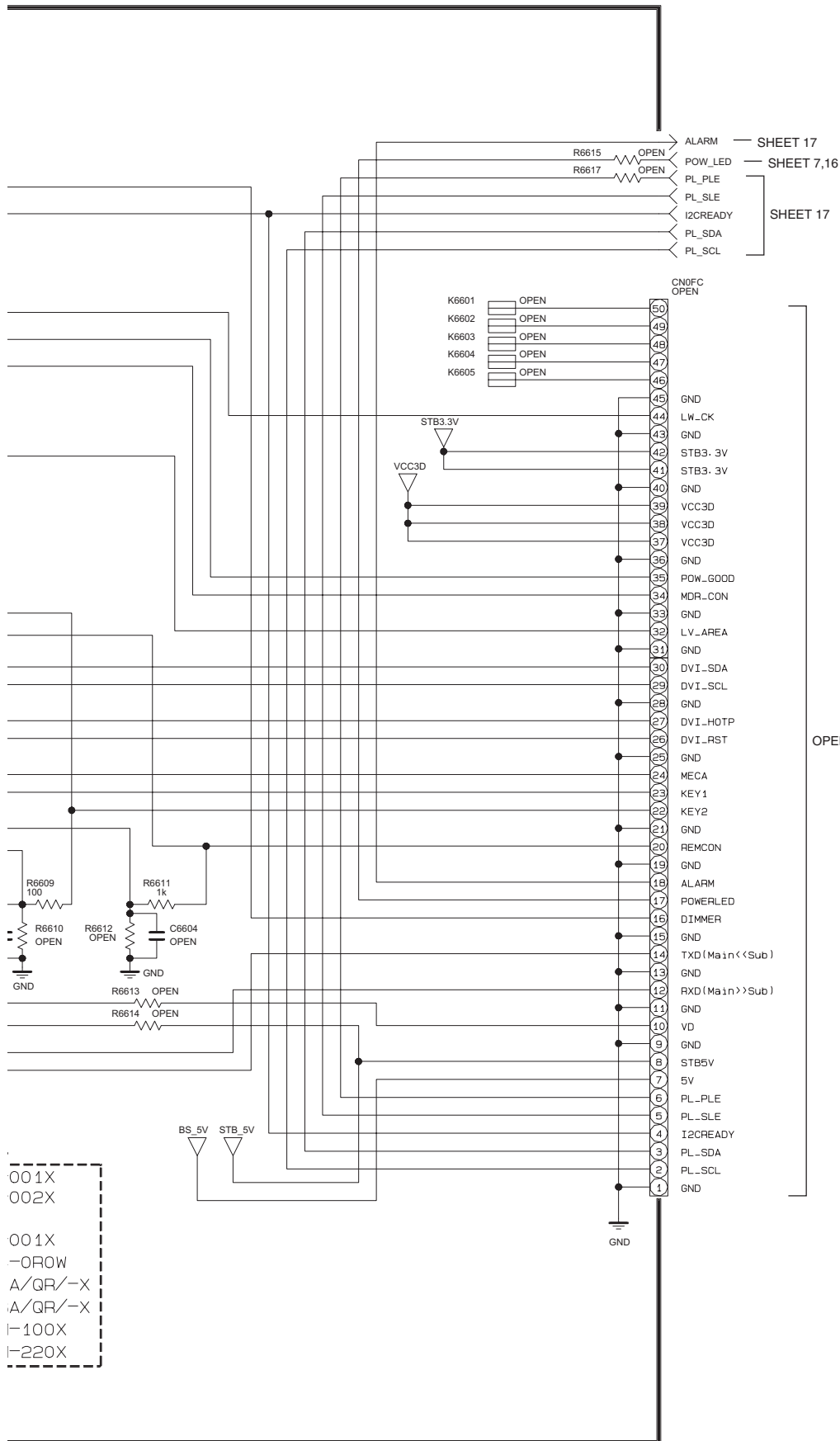




NOTE.

\*1 : NQR0498-002  
 \*2 : NQR0489-002  
 \*4 : MA111-X  
 \*5 : NQR0499-002  
 RA0 : NRZ0034-002  
 PNP : 2SA1530A/C  
 NPN : 2SC3928A/C  
 L10 : NQL79GM-10  
 L22 : NQL79GM-22

DIGITAL PWB ASS'Y (13/16)  
 SFL0D189A-M2 [LT-40X667/S]  
 SFL0D186A-M2 [LT-40X787/S]  
 SFL0D171A-M2 [LT-40X887/S]

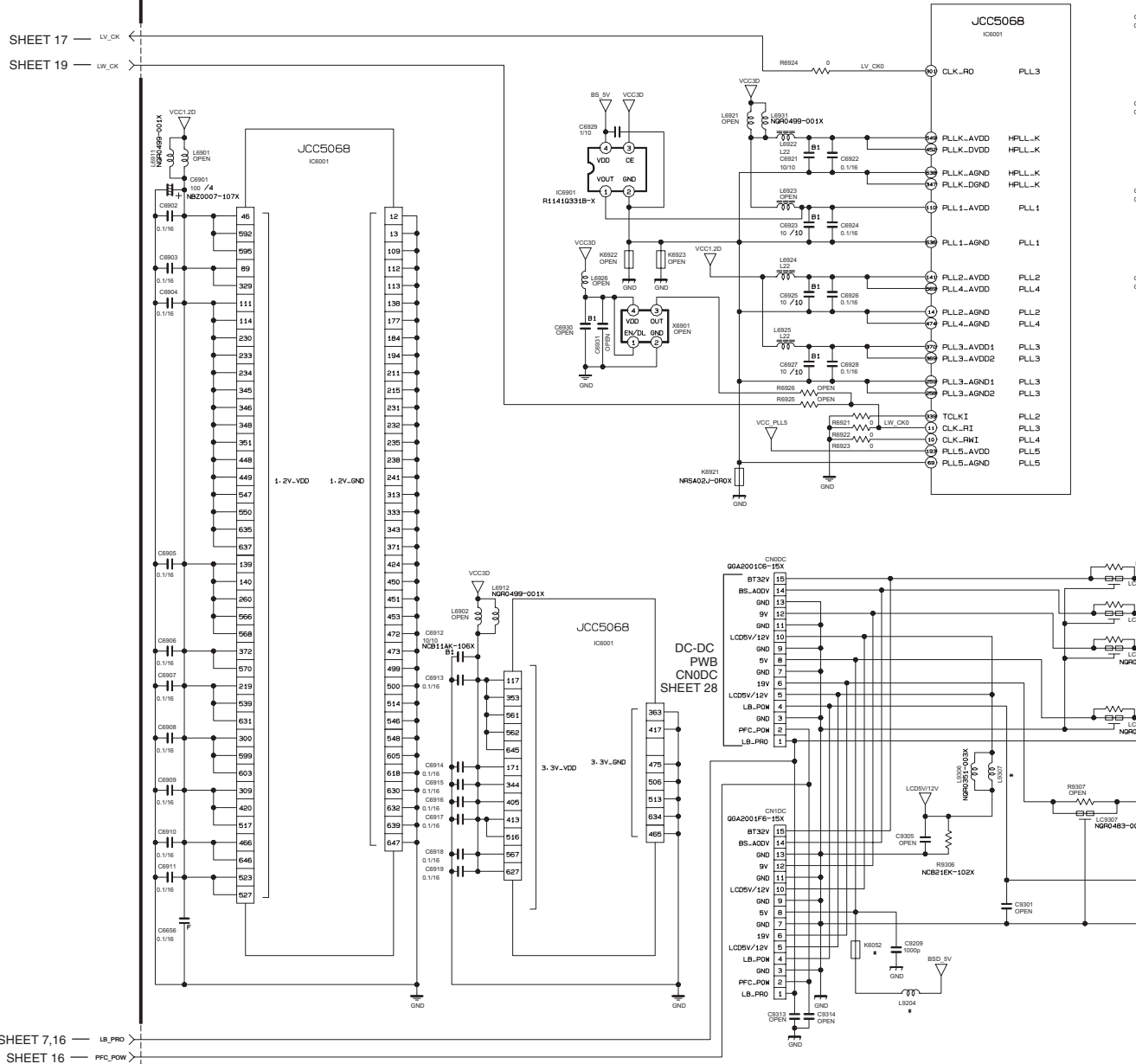
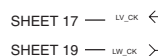


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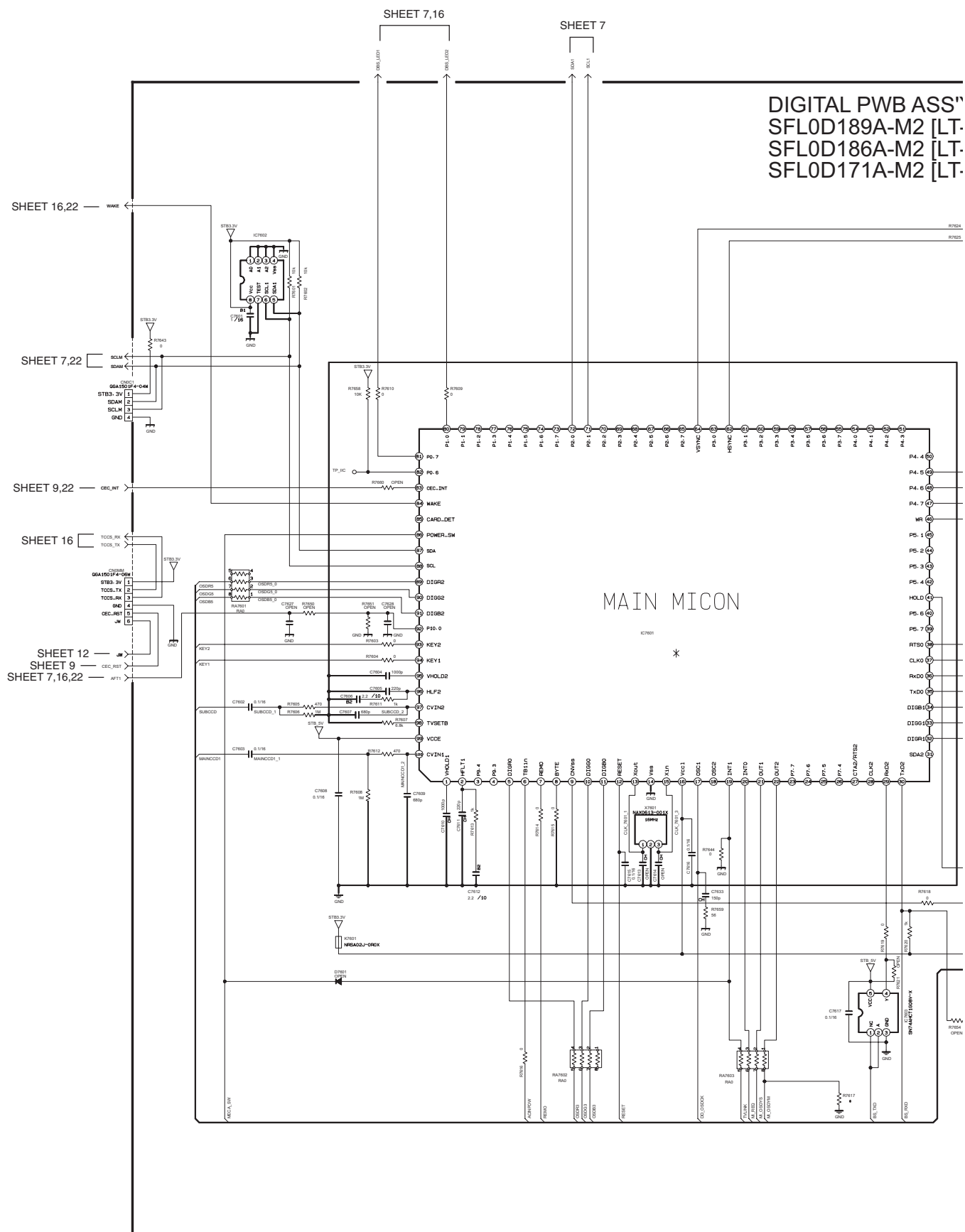
## \* DIFFERENCE LIST

[illegible]

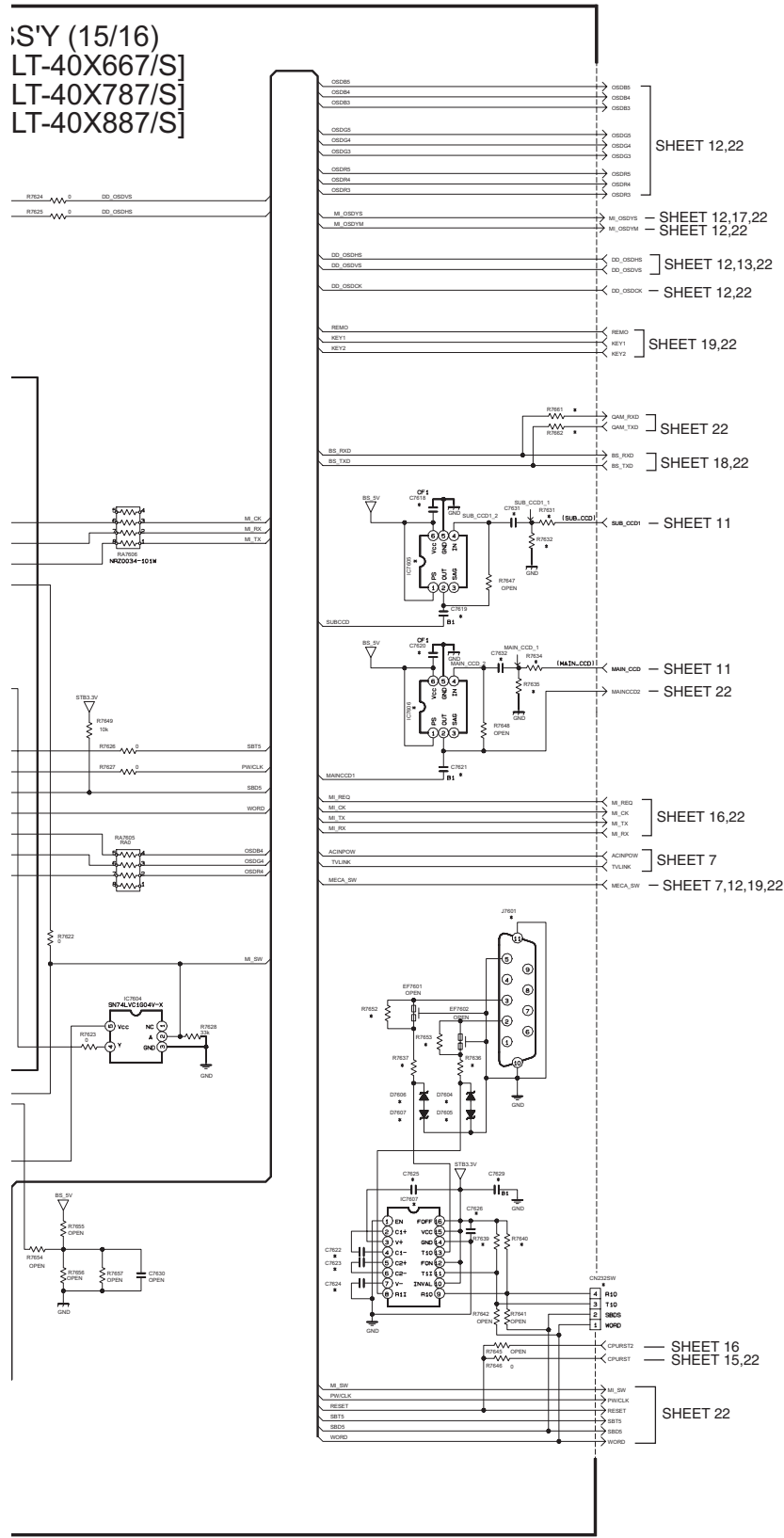
ASSY NO.	MODEL LIST
SFL-0D0714 (LGA1070W-99A)	LT-46L4800A
SFL-0D1372A (LGA1070W-99A)	LT-37C085A
SFL-0D0714 (LGA1070W-99A)	LT-26LCB0A
SFL-0D171A (LGA1070W-99A)	LT-40X8B75A
SFL-0D186A (LGA1070W-99A)	LT-40X8785A
SFL-0D172A (LGA1070W-99A)	LT-37X8B72A
SFL-0D177A (LGA1070W-99A)	LT-37X7872A
SFL-0D173A (LGA1070W-99A)	LT-32X8B72A
SFL-0D175A (LGA1070W-99A)	LT-32X7872A
SFL-0D183A (LGA1070W-99A)	LT-32X6672A
SFL-0D180A (LGA1070W-99A)	LT-32X4M572A
SFL-0D182A (LGA1070W-99A)	LT-46F8785A
SFL-0D183A (LGA1070W-99A)	LT-40FH975A
SFL-0D185A (LGA1070W-99A)	LT-46FN975A
SFL-0D186A (LGA1070W-99A)	LT-40FN975A







NOTE : Refer to the part list for the part number of IC7602.



\* DIFFERENCE LIST

[illegible]

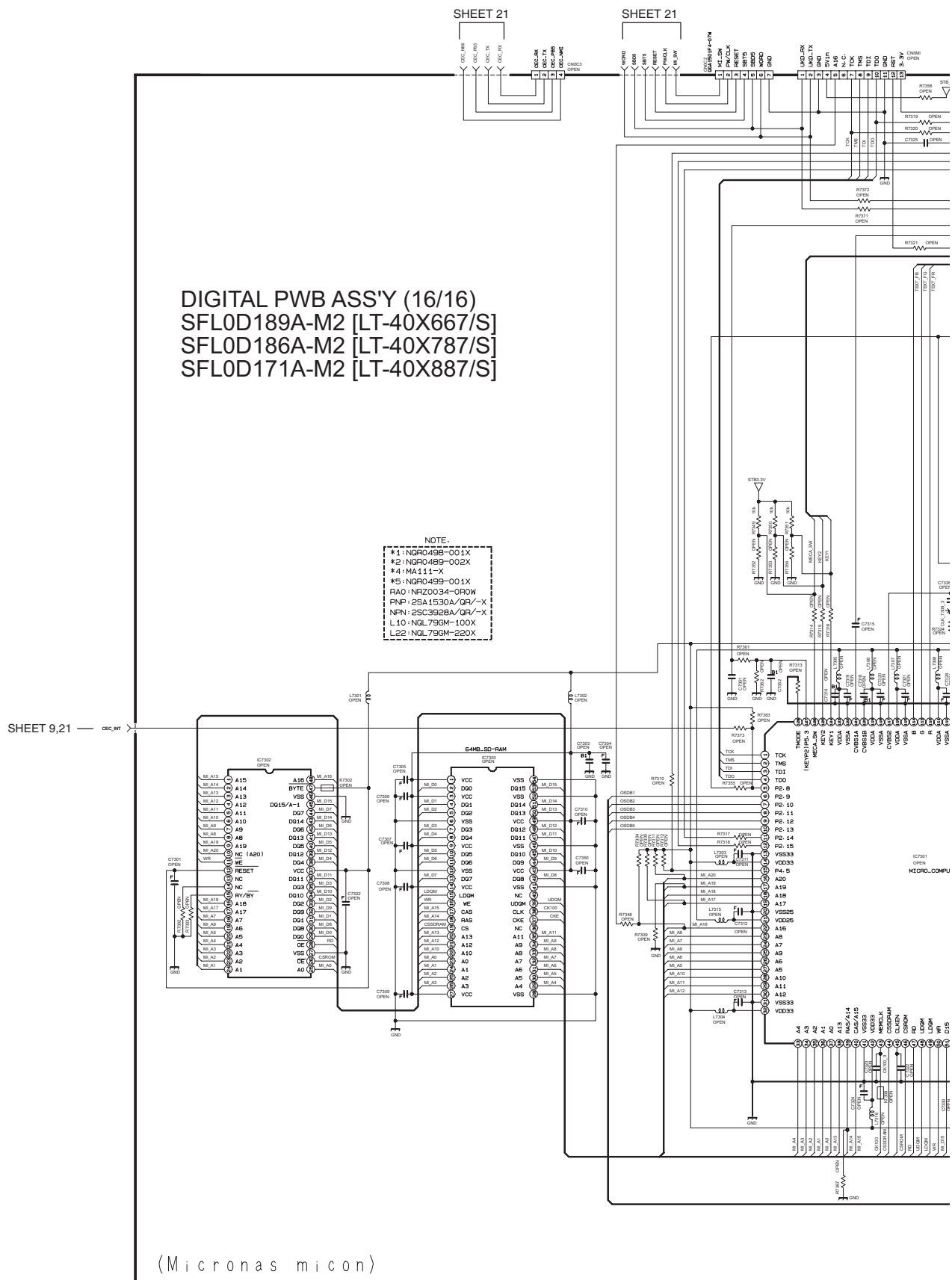
ASSY NO. - MODEL LIST -

ASSY NO.	MODEL LIST
SFL-00071A (LCA10708-SB4)	••• LT-46LH800A
SFL-00072A (LCA10708-SB4)	••• LT-37L C85A
SFL-00073A (LCA10708-SB4)	••• LT-26L C80A
SFL-00171A (LCA10708-SB4)	••• LT-40X8875A
SFL-00186A (LCA10708-SB4)	••• LT-40X7875A
SFL-00172A (LCA10708-SB4)	••• LT-37X887ZA
SFL-00174A (LCA10708-SB4)	••• LT-37X787ZA
SFL-00173A (LCA10708-SB4)	••• LT-32X887ZA
SFL-00175A (LCA10708-SB4)	••• LT-32X787ZA
SFL-00178A (LCA10708-SB4)	••• LT-32X667ZA
SFL-00180A (LCA10708-SB4)	••• LT-32X567ZA
SFL-00182A (LCA10708-SB4)	••• LT-46FH97SA
SFL-00183A (LCA10708-SB4)	••• LT-40FH97SA
SFL-00184A (LCA10708-SB4)	••• LT-46FH97SA
SFL-00185A (LCA10708-SB4)	••• LT-40FN97SA

NOTE.

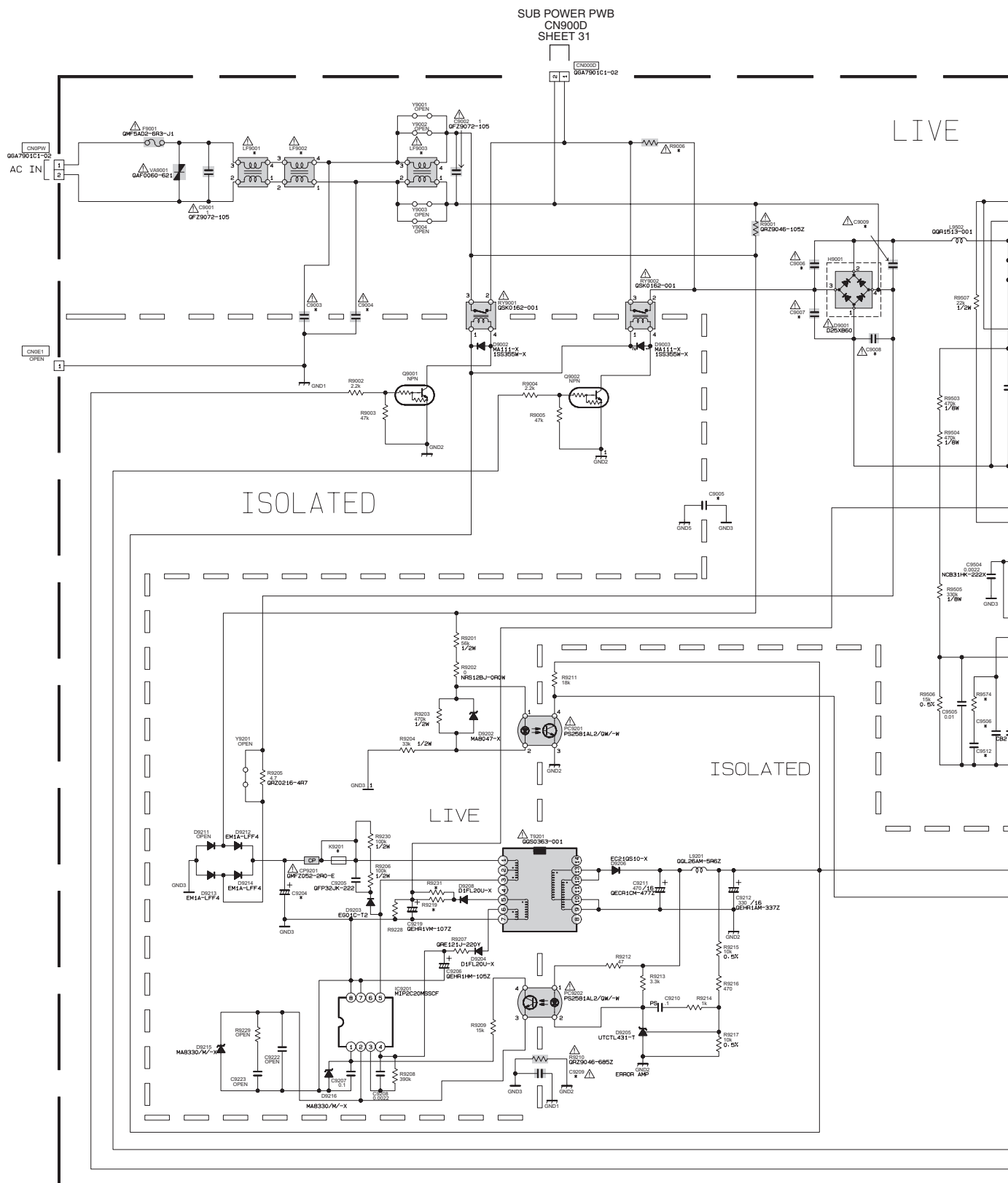
- \*1: NGR0498-001X  
\*2: NGR0489-002X  
\*4: MA111-X  
\*5: NGR0499-001X  
RA0: NRZ0034-0R0W  
PNP: 2SA1530A/GR/-X  
NPN: 2SC3928A/GR/-X  
L10: NGL79GM-100X  
L22: NGL79GM-220X

c10463001a006 0425 6/17 0.0

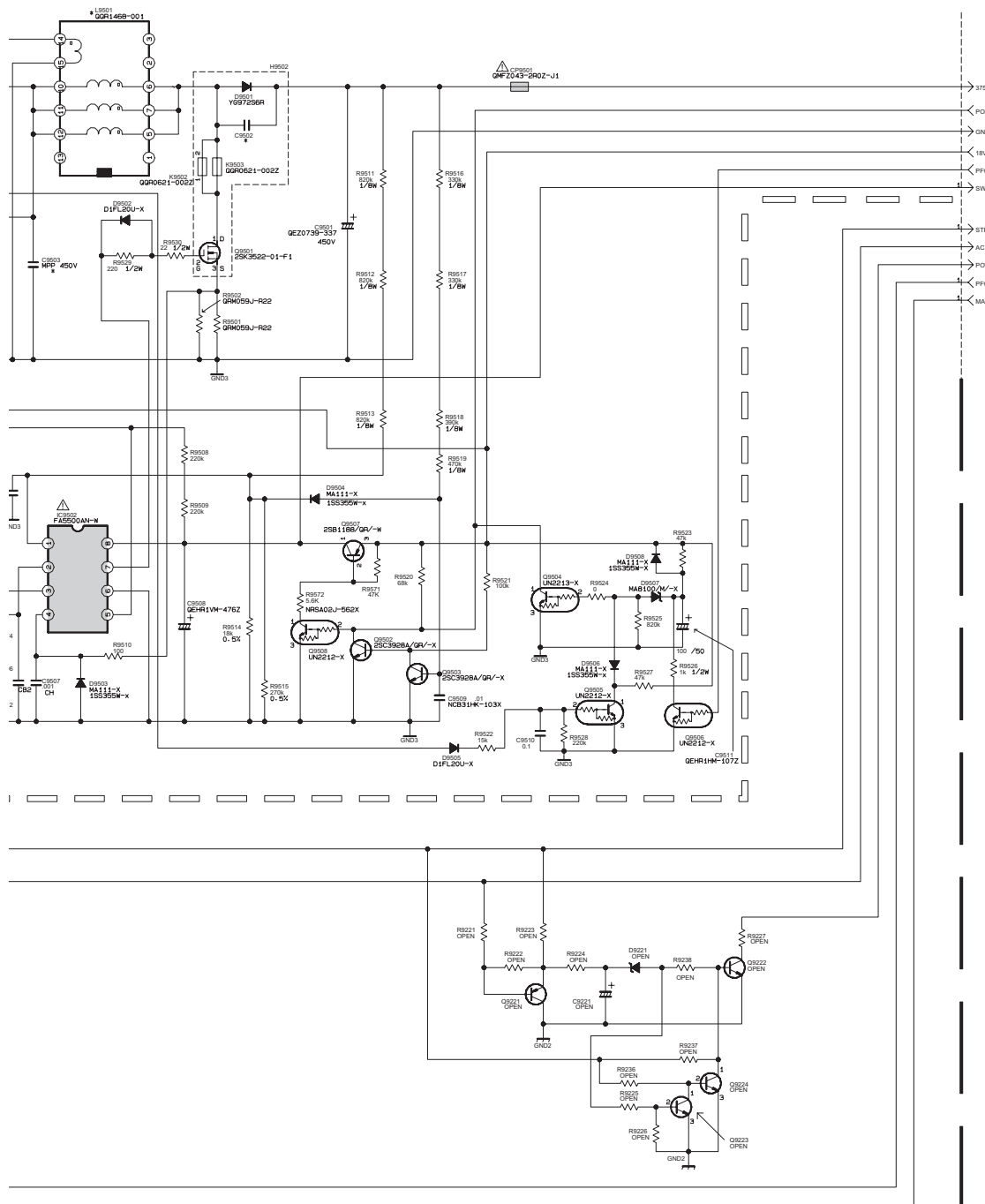




2-51(No.YA430)



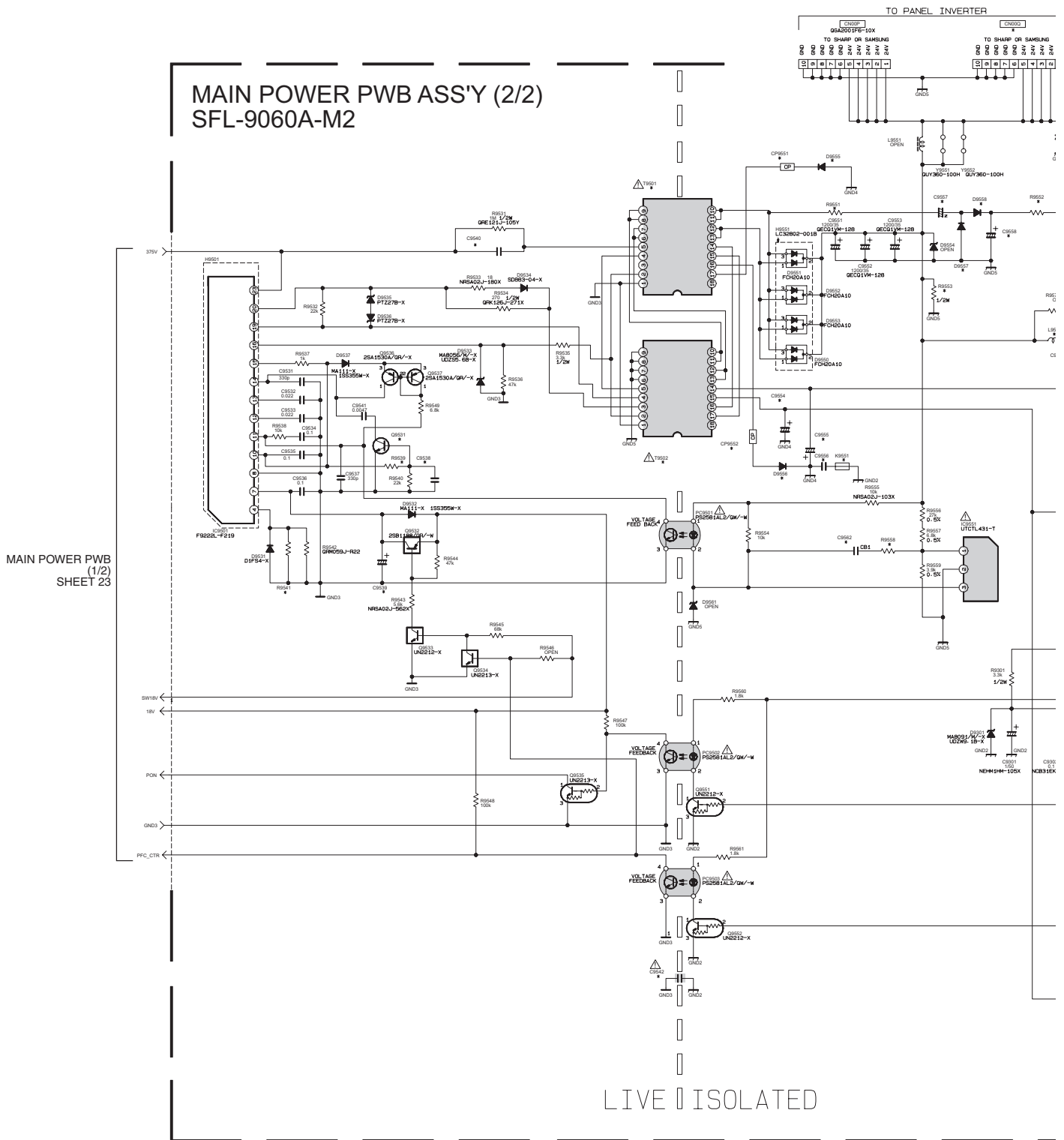
# MAIN POWER PWB ASS'Y (1/2) SFL-9060A-M2

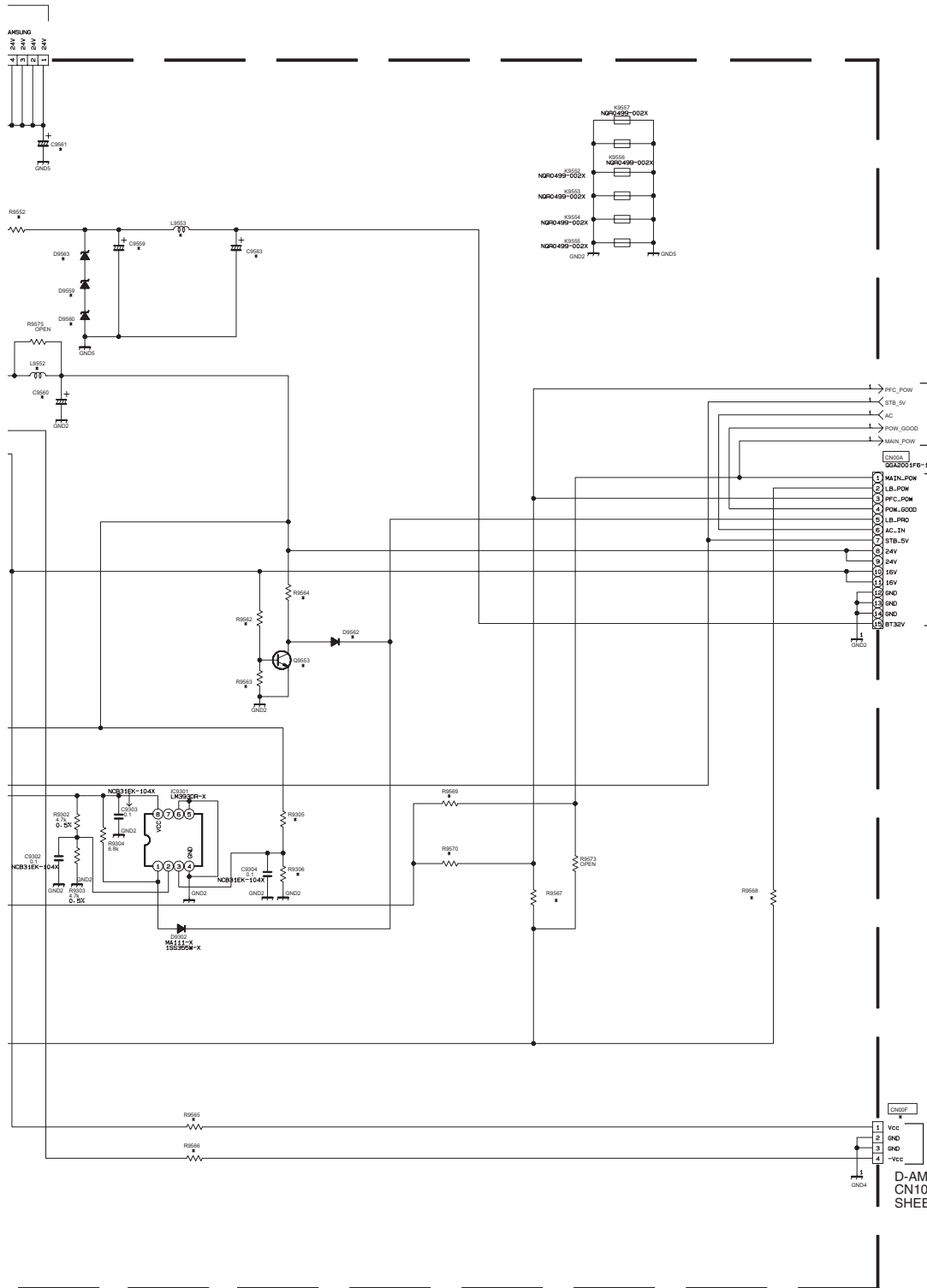


MAIN POWER PWB(2/2)  
SHEET 24

\* DIFFERENCE LIST

NOTE	JPN37	US40	JPN46	US37
ASSY NO.	SFL-9051A	SFL-9054L	SFL-9050A	SFL-9053A
Q9901	Q9901	Q9901	Q9901	Q9901
Q9902	Q9902	Q9902	Q9902	Q9902
Q9903	Q9903	Q9903	Q9903	Q9903
Q9904	Q9904	Q9904	Q9904	Q9904
Q9905	Q9905	Q9905	Q9905	Q9905
Q9906	Q9906	Q9906	Q9906	Q9906
Q9907	Q9907	Q9907	Q9907	Q9907
Q9908	Q9908	Q9908	Q9908	Q9908
Q9909	Q9909	Q9909	Q9909	Q9909
Q9910	Q9910	Q9910	Q9910	Q9910
Q9911	Q9911	Q9911	Q9911	Q9911
Q9912	Q9912	Q9912	Q9912	Q9912
Q9913	Q9913	Q9913	Q9913	Q9913
Q9914	Q9914	Q9914	Q9914	Q9914
Q9915	Q9915	Q9915	Q9915	Q9915
Q9916	Q9916	Q9916	Q9916	Q9916
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Q9918	Q9918	Q9918	Q9918	Q9918
Q9919	Q9919	Q9919	Q9919	Q9919
Q9920	Q9920	Q9920	Q9920	Q9920
Q9921	Q9921	Q9921	Q9921	Q9921
Q9922	Q9922	Q9922	Q9922	Q9922
Q9923	Q9923	Q9923	Q9923	Q9923
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Q9930	Q9930	Q9930	Q9930	Q9930
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Q9942	Q9942	Q9942	Q9942	Q9942
Q9943	Q9943	Q9943	Q9943	Q9943
Q9944	Q9944	Q9944	Q9944	Q9944
Q9945	Q9945	Q9945	Q9945	Q9945
Q9946	Q9946	Q9946	Q9946	Q9946
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Q9999	Q9999	Q9999	Q9999	Q9999
Q10000	Q10000	Q10000	Q10000	Q10000





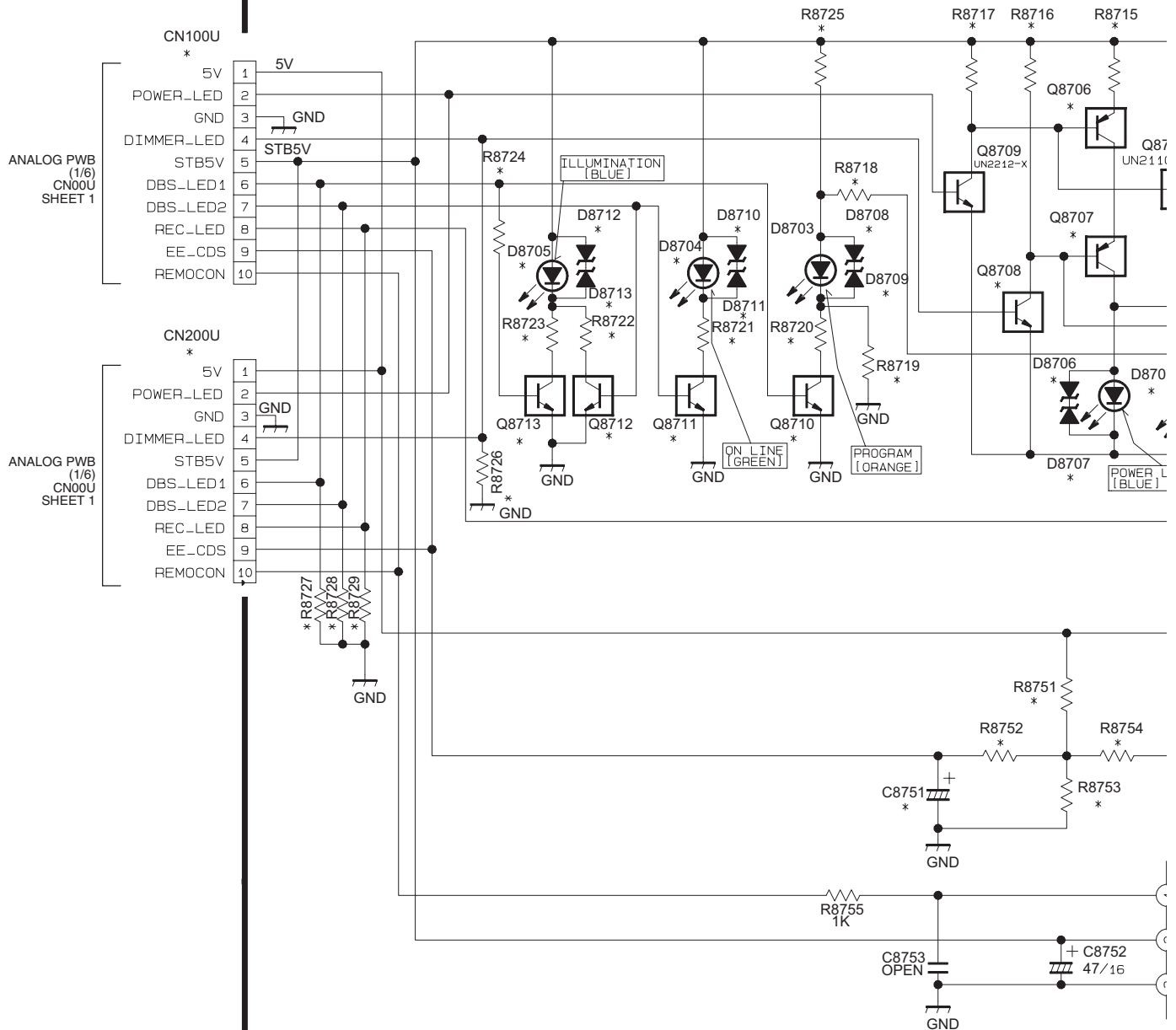
MAIN POWER PWB(1/2)  
SHEET 23

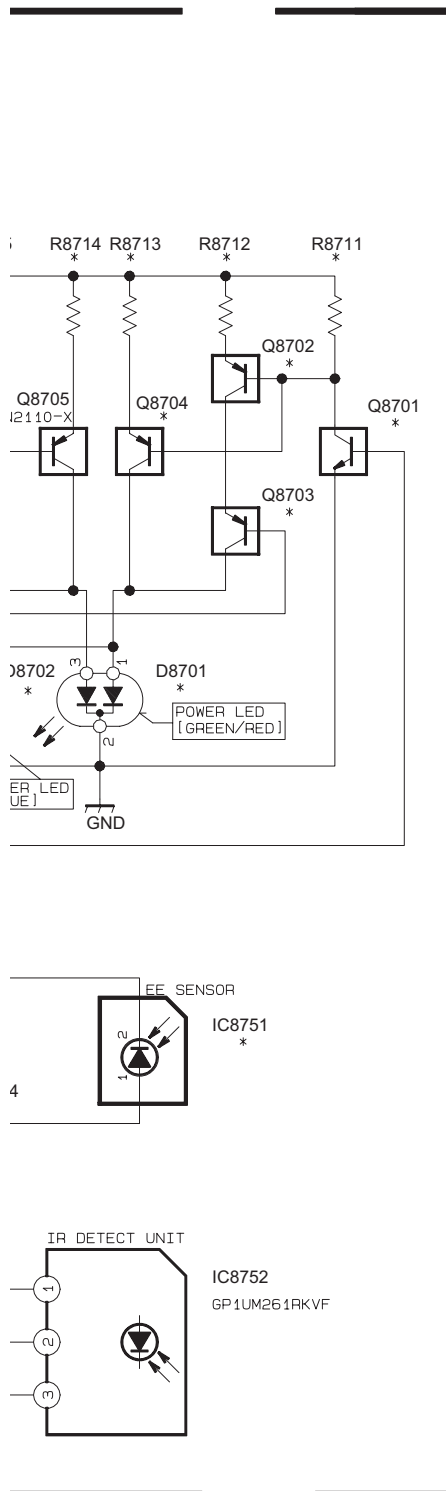
DC-DC PWB  
CN10A  
SHEET 28

\* DIFFERENCE LIST

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ASST	SPL-0051A	SPL-0054A	SPL-0054A	SPL-0053A
ASST	BLU0002	BLU0007-08	BLU0007	BLU0008
C954	GE0000-0072	OPEN	OPEN	GE0000-0072
C955	GE0000-0072	OPEN	OPEN	GE0000-0072
C956	000	OPEN	OPEN	000
CP951	CP0000-01	OPEN	OPEN	CP0000-01
CP952	CP0000-01	OPEN	OPEN	CP0000-01
CP953	CP0000-01	OPEN	OPEN	CP0000-01
CP954	CP0000-01	OPEN	OPEN	CP0000-01
CP955	CP0000-01	OPEN	OPEN	CP0000-01
CP956	CP0000-01	OPEN	OPEN	CP0000-01
CP957	CP0000-01	OPEN	OPEN	CP0000-01
CP958	CP0000-01	OPEN	OPEN	CP0000-01
CP959	CP0000-01	OPEN	OPEN	CP0000-01
CP960	CP0000-01	OPEN	OPEN	CP0000-01
CP961	CP0000-01	OPEN	OPEN	CP0000-01
CP962	CP0000-01	OPEN	OPEN	CP0000-01
CP963	CP0000-01	OPEN	OPEN	CP0000-01
CP964	CP0000-01	OPEN	OPEN	CP0000-01
CP965	CP0000-01	OPEN	OPEN	CP0000-01
CP966	CP0000-01	OPEN	OPEN	CP0000-01
CP967	CP0000-01	OPEN	OPEN	CP0000-01
CP968	CP0000-01	OPEN	OPEN	CP0000-01
CP969	CP0000-01	OPEN	OPEN	CP0000-01
CP970	CP0000-01	OPEN	OPEN	CP0000-01
CP971	CP0000-01	OPEN	OPEN	CP0000-01
CP972	CP0000-01	OPEN	OPEN	CP0000-01
CP973	CP0000-01	OPEN	OPEN	CP0000-01
CP974	CP0000-01	OPEN	OPEN	CP0000-01
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CP977	CP0000-01	OPEN	OPEN	CP0000-01
CP978	CP0000-01	OPEN	OPEN	CP0000-01
CP979	CP0000-01	OPEN	OPEN	CP0000-01
CP980	CP0000-01	OPEN	OPEN	CP0000-01
CP981	CP0000-01	OPEN	OPEN	CP0000-01
CP982	CP0000-01	OPEN	OPEN	CP0000-01
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CP984	CP0000-01	OPEN	OPEN	CP0000-01
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CP986	CP0000-01	OPEN	OPEN	CP0000-01
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CP998	CP0000-01	OPEN	OPEN	CP0000-01
CP999	CP0000-01	OPEN	OPEN	CP0000-01
CP1000	CP0000-01	OPEN	OPEN	CP0000-01
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U962	U0000-00	OPEN	OPEN	U0000-00
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U965	U0000-00	OPEN	OPEN	U0000-00
U966	U0000-00	OPEN	OPEN	U0000-00
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U976	U0000-00	OPEN	OPEN	U0000-00
U977	U0000-00	OPEN	OPEN	U0000-00
U978	U0000-00	OPEN	OPEN	U0000-00
U979	U0000-00	OPEN	OPEN	U0000-00
U980	U0000-00	OPEN	OPEN	U0000-00
U981	U0000-00	OPEN	OPEN	U0000-00
U982	U0000-00	OPEN	OPEN	U0000-00
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U996	U0000-00	OPEN	OPEN	U0000-00
U997	U0000-00	OPEN	OPEN	U0000-00
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U1000	U0000-00	OPEN	OPEN	U0000-00

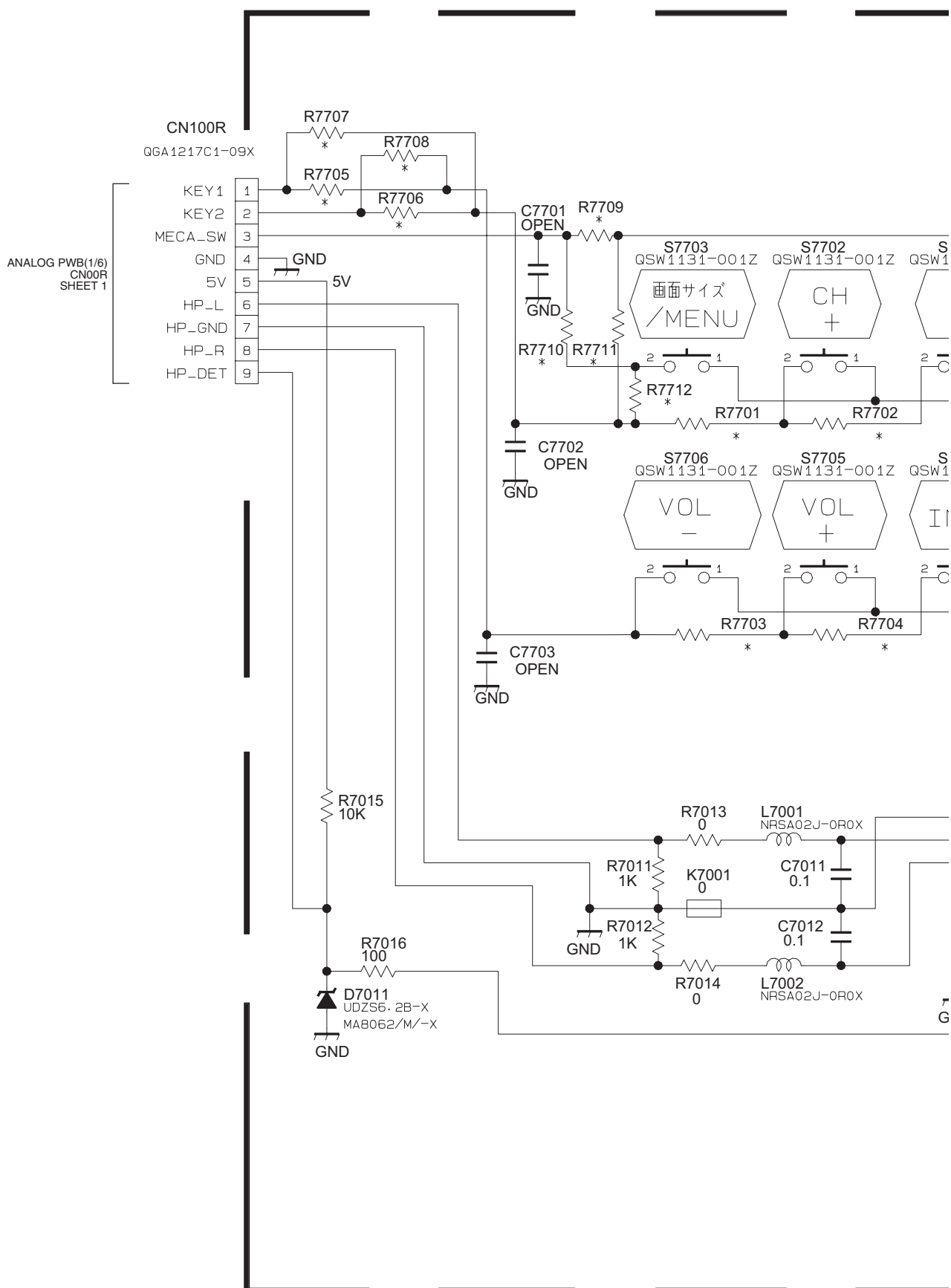
D-AMP PWB  
CN10F  
SHEET 27

LED PWB ASS'Y  
SFL8712-M2

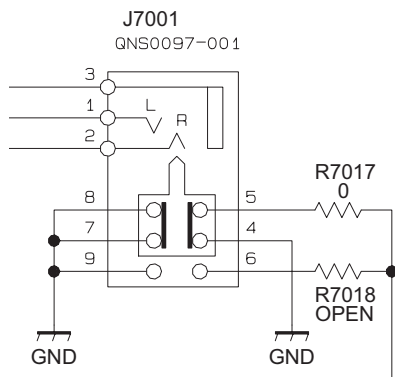
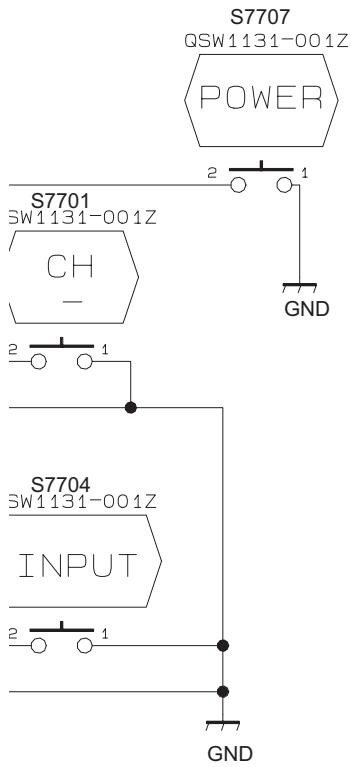


# \*DIFFERENCE LIST

NOTE	JPN26/32 JPN40	JPN37	US40 FH96	IDTV40	NON-IDTV40	TAIWAN40	US40	US40 FH/FN97
ASSY NO.	SFL-8701A SFL-8704A	SFL-8705A	SFL-8702A	SFL-8708A	SFL-8709A	SFL-8707A	SFL-8712A	SFL-8715A
	OLLC09103 (etc)	OLLC09103 -05	OLLC09103 -02	OLLC09103 -09	OLLC09103 -10	OLLC09103 -06	OLLC10676	OLLC10676 -02
D8701	SML72420C-T	SML72420C-T	OPEN	SML72420C-T	OPEN	OPEN	OPEN	OPEN
D8702	OPEN	OPEN	SEL5E20C-T	OPEN	SEL5E20C-T	SEL5E20C-T	SEL5E20C-T	SEL5E20C-T
D8703	SEL5920A-T	SEL5920A-T	SEL5920A-T	OPEN	OPEN	OPEN	OPEN	SEL5920A-T
D8704	SEL5420E-T	SEL5420E-T	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8705	OPEN	OPEN	SELU5E20C-T	SELU5E20C-T	SELU5E20C-T	SELU5E20C-T	OPEN	SELU5E20C-T
D8706	OPEN	OPEN	MA8068-X	OPEN	MA8068-X	MA8068-X	MA8068-X	MA8068-X
D8707	OPEN	OPEN	MA8068-X	OPEN	MA8068-X	MA8068-X	MA8068-X	MA8068-X
D8708	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8709	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8710	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8711	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
D8712	OPEN	OPEN	MA8068-X	MA8068-X	MA8068-X	MA8068-X	OPEN	MA8068-X
D8713	OPEN	OPEN	MA8068-X	MA8068-X	MA8068-X	MA8068-X	OPEN	MA8068-X
Q8701	UN2212-X	UN2212-X	UN2212-X	UN2212-X	OPEN	OPEN	OPEN	UN2212-X
Q8702	OPEN	OPEN	UN2110-X	OPEN	OPEN	OPEN	OPEN	UN2110-X
Q8703	OPEN	OPEN	UN2110-X	OPEN	OPEN	OPEN	OPEN	UN2110-X
Q8704	UN2110-X	UN2110-X	UN2110-X	UN2110-X	OPEN	OPEN	OPEN	UN2110-X
Q8706	OPEN	OPEN	UN2110-X	OPEN	OPEN	UN2110-X	UN2110-X	UN2110-X
Q8707	OPEN	OPEN	UN2110-X	OPEN	OPEN	UN2110-X	UN2110-X	UN2110-X
Q8708	OPEN	OPEN	UN2212-X	OPEN	OPEN	UN2212-X	UN2212-X	UN2212-X
Q8710	UN2212-X	UN2212-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8711	UN2212-X	UN2212-X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q8712	OPEN	OPEN	UN2212-X	UN2212-X	UN2212-X	UN2212-X	OPEN	UN2212-X
Q8713	OPEN	OPEN	UN2212-X	UN2212-X	UN2212-X	UN2212-X	OPEN	UN2212-X
R8711	10K	10K	10K	10K	OPEN	OPEN	OPEN	10K
R8712	OPEN	OPEN	470	OPEN	OPEN	OPEN	OPEN	470
R8713	330	330	1K	330	OPEN	OPEN	OPEN	1K
R8714	330	330	1K	330	330	1K	1K	1K
R8715	OPEN	OPEN	470	OPEN	OPEN	470	470	470
R8716	OPEN	OPEN	10K	OPEN	OPEN	10K	10K	10K
R8717	10K	10K	10K	10K	10K	10K	10K	10K
R8718	OPEN	OPEN	0	OPEN	OPEN	OPEN	OPEN	0
R8719	OPEN	OPEN	0	OPEN	OPEN	OPEN	OPEN	0
R8720	330	330	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8721	330	330	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8722	OPEN	OPEN	100	100	100	100	OPEN	100
R8723	OPEN	OPEN	270	270	270	270	OPEN	270
R8724	OPEN	OPEN	0	0	0	0	OPEN	0
R8725	0	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8726	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8727	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN
R8728	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN
R8729	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	OPEN
IC8751	S964B	S964B	OPEN	OPEN	OPEN	OPEN	S964B	S964B
R8751	150K	150K	OPEN	OPEN	OPEN	OPEN	150K	150K
R8752	100	100	OPEN	OPEN	OPEN	OPEN	100	100
R8753	33K	33K	OPEN	OPEN	OPEN	OPEN	33K	33K
R8754	15K	15K	OPEN	OPEN	OPEN	OPEN	15K	15K
C8751	NEHL1EM-226X	NEHL1EM-226X	OPEN	OPEN	OPEN	OPEN	NEHL1EM-226X	NEHL1EM-226X
CN100U	OPEN	GGA1217F1 -10X	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
CN200U	GGA1217F1 -10X	OPEN	GGA1217F1 -10X	GGA1217F1 -10X	GGA1217F1 -10X	GGA1217F1 -10X	GGA1217F1 -10X	GGA1217F1 -10X

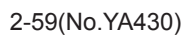


SW PWB ASS'Y  
SFL-7210A-M2



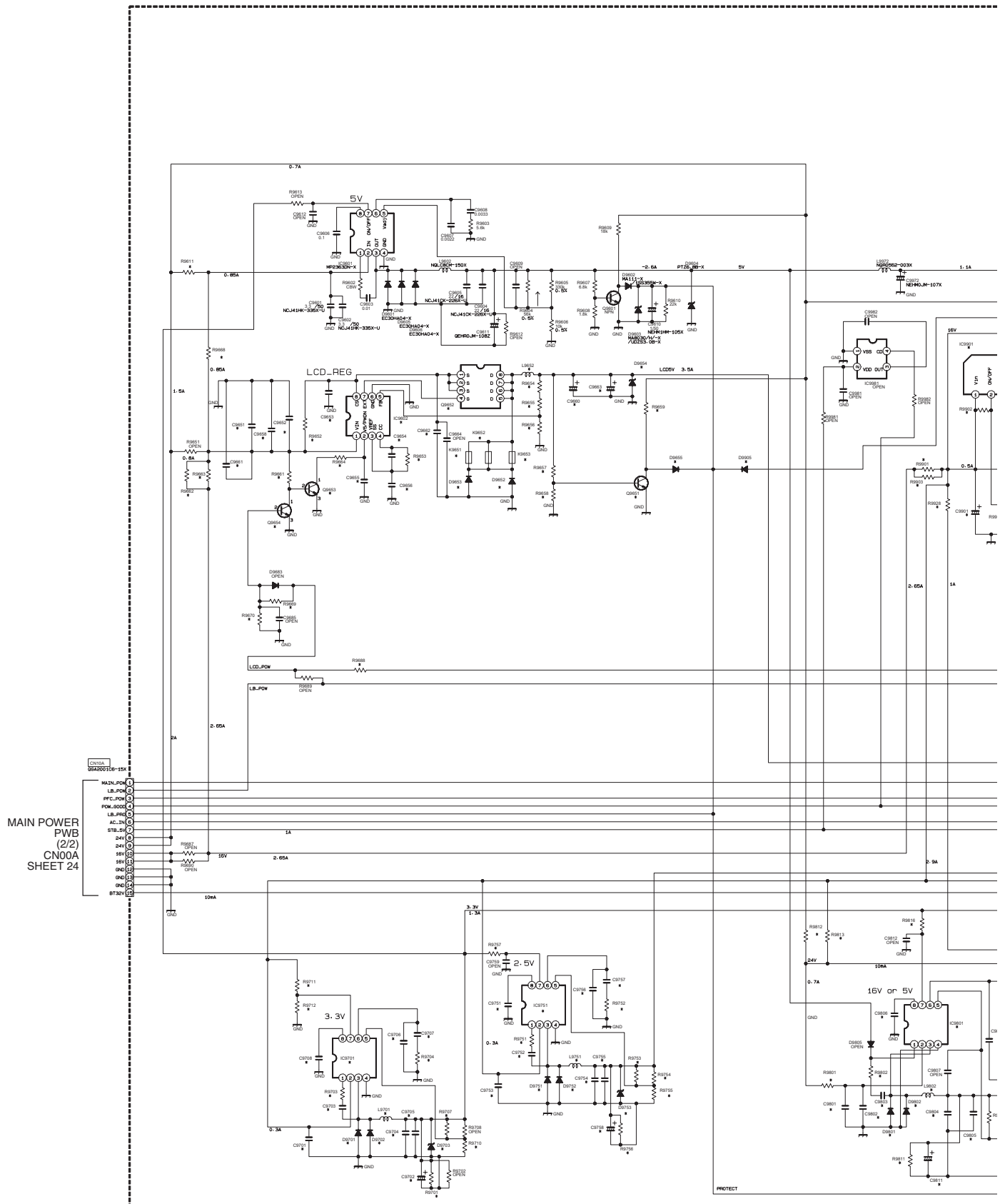
\*DIFFERENCE LIST

NOTE	US 40
ASSY NO.	SFL-7210A
	OLLC10677
R7701	5.6K
R7702	15K
R7703	5.6K
R7704	15K
R7705	0
R7706	0
R7707	OPEN
R7708	OPEN
R7709	0
R7710	OPEN
R7711	OPEN
R7712	0

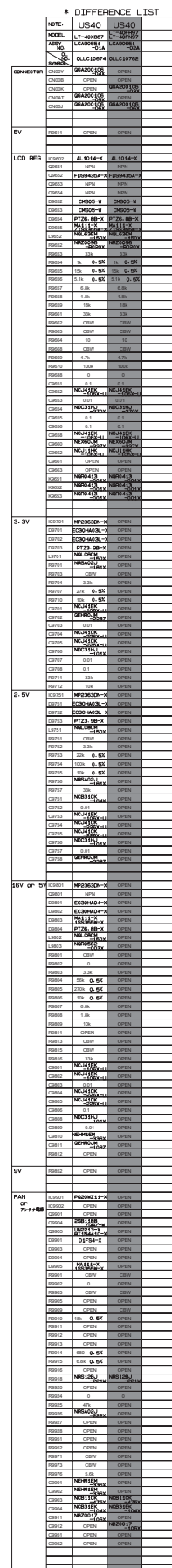


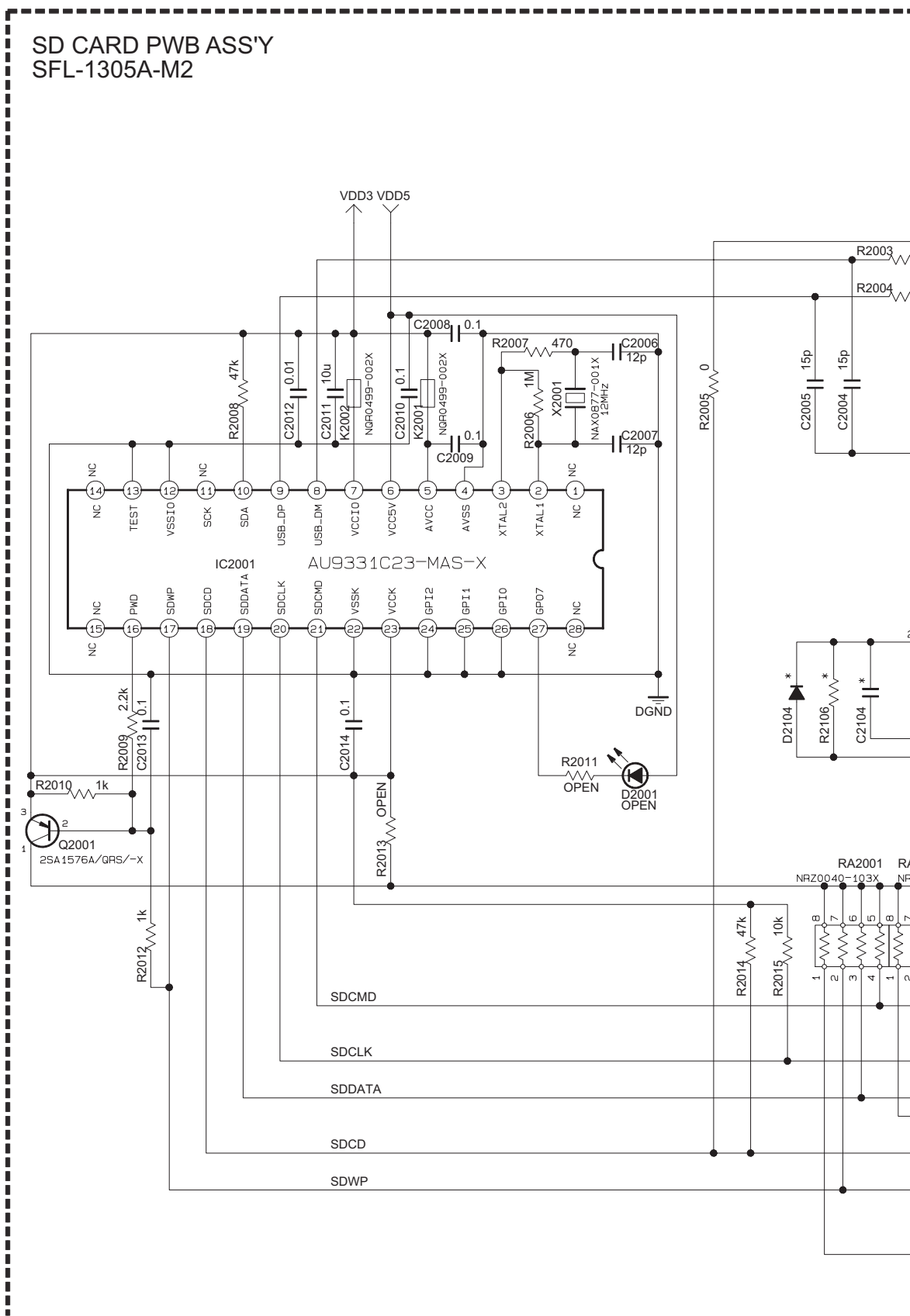
[illegible]

MODEL	JPN		US					
		32X7/B*	37/40X7/B*	32M5*	37X907	40/46FH07	40/46FH07	
	SFL-6302A	SFL-6301A	SFL-6302A	SFL-6301A	SFL-6302A	SFL-6302A	SFL-6302A	
	LCAR041-12*	LCAR041-91*	LCAR041-12*	LCAR041-91*	LCAR041-12*	LCAR041-12*	LCAR041-91*	
	QLC10543-02	QLC10543	QLC10543-02	QLC10543	QLC10543-02	QLC10543-02	QLC10543-02	
Q5611	*1	OPEN	*1	OPEN	*1	*1	*1	
Q5612	*1	OPEN	*1	OPEN	*1	*1	*1	
Q5613	*2	OPEN	*2	OPEN	*2	*2	*2	
R5611	100	OPEN	100	OPEN	100	100	100	
R5612	100	OPEN	100	OPEN	100	100	100	
R5613	5.6k	OPEN	5.6k	OPEN	5.6k	5.6k	5.6k	
R5614	10k	OPEN	10k	OPEN	10k	10k	10k	
C5611	226.3	OPEN	226.3	OPEN	226.3	226.3	226.3	
R5602	3.3k	10k	3.3k	10k	3.3k	3.3k	3.3k	
R5605	3.3k	10k	3.3k	10k	3.3k	3.3k	3.3k	



## \* DIFFERENCE LIST

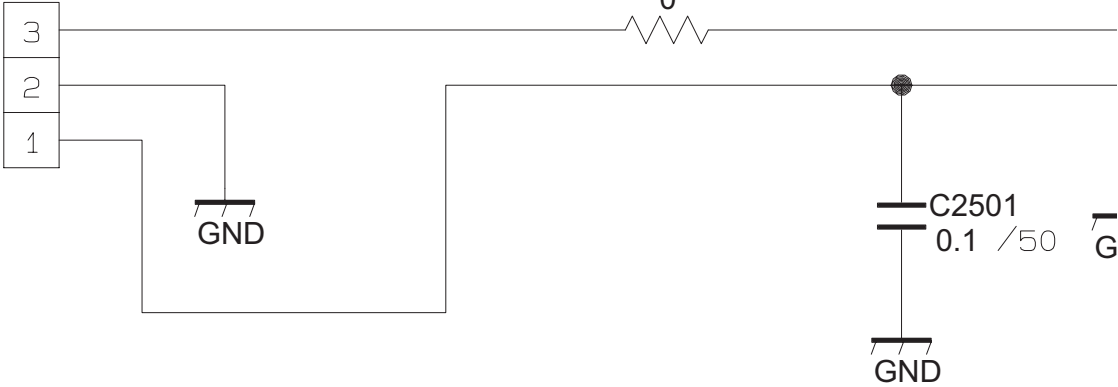


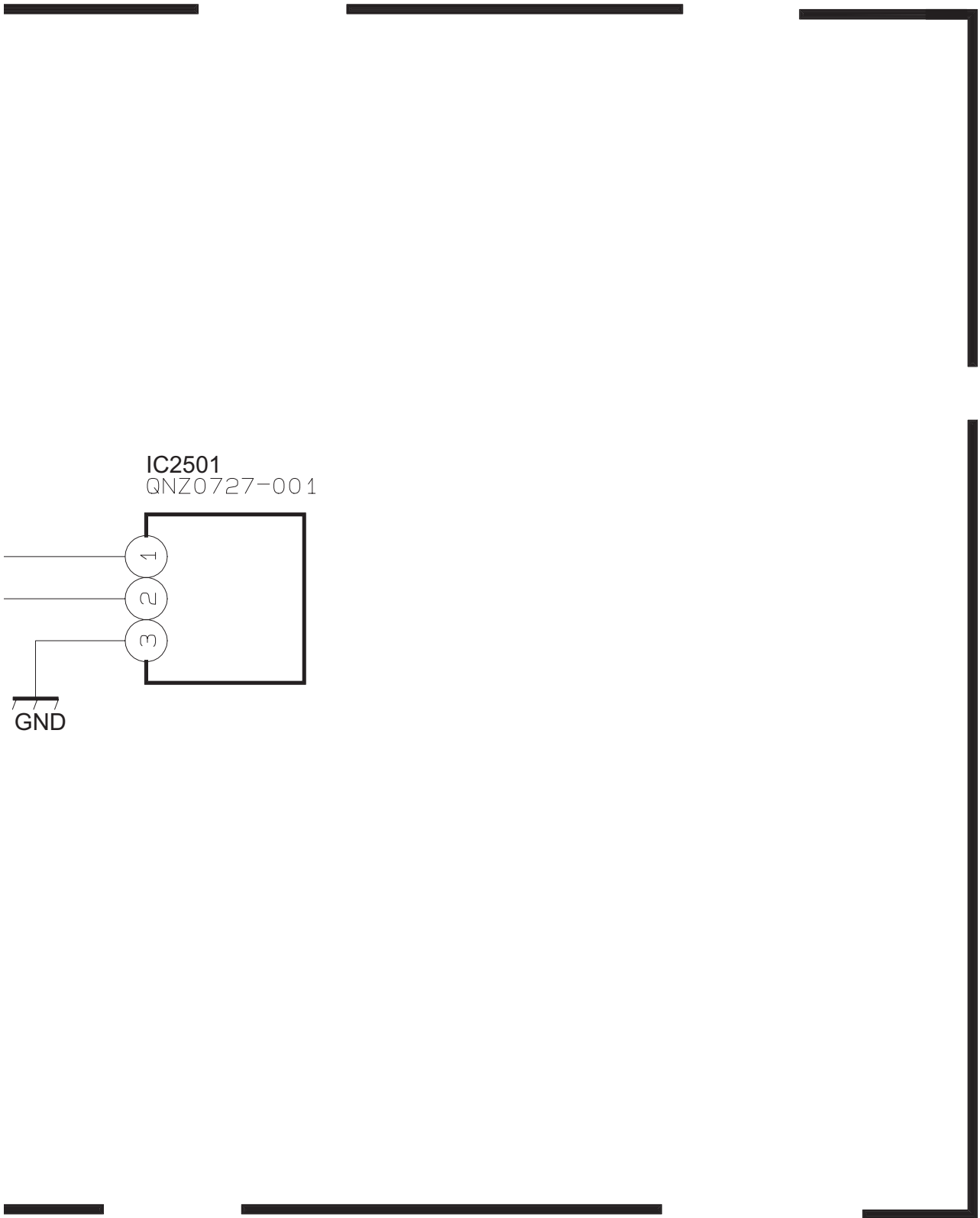


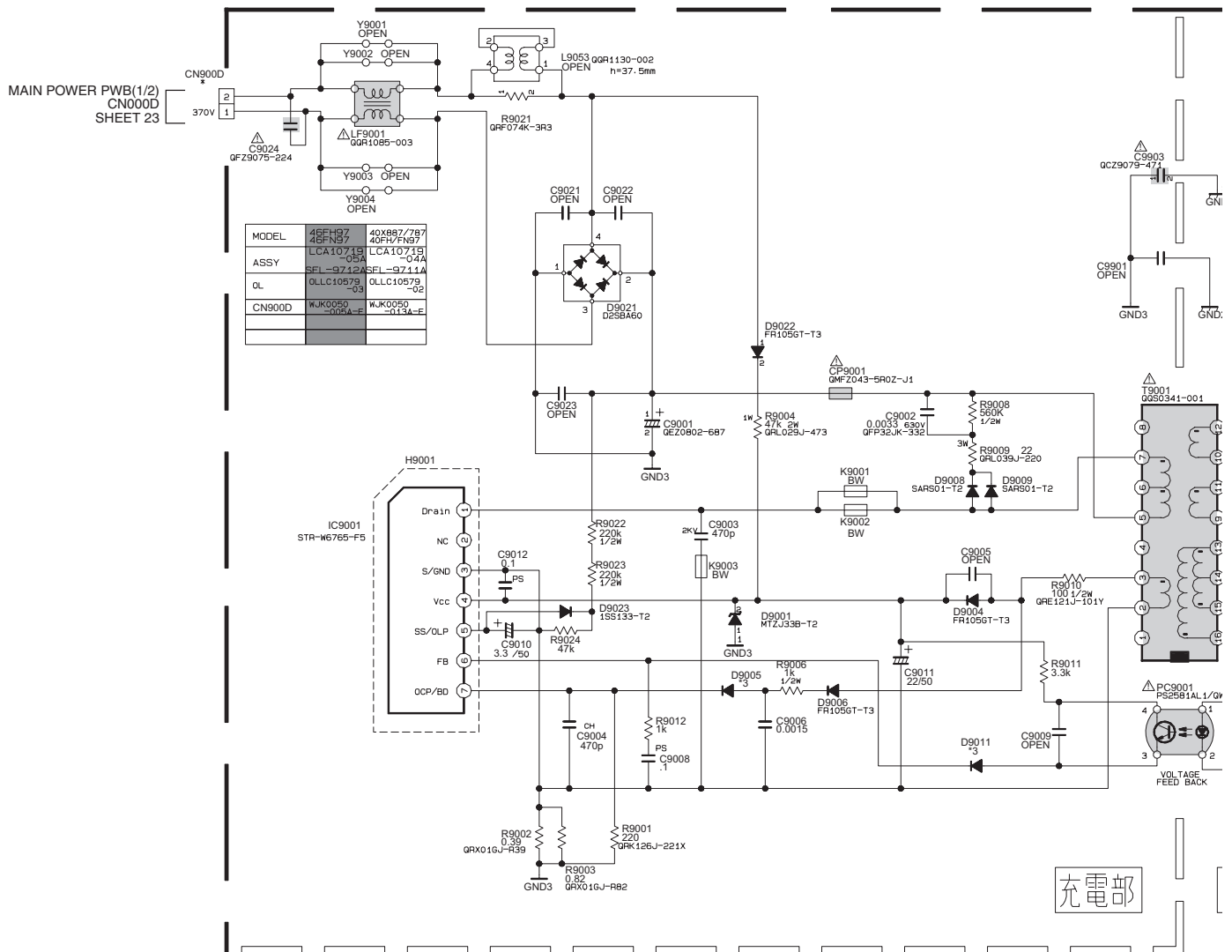


OPTICAL PWB ASS'Y  
SFL-2501A-M2

CN00DA  
QGA1217C1-03X



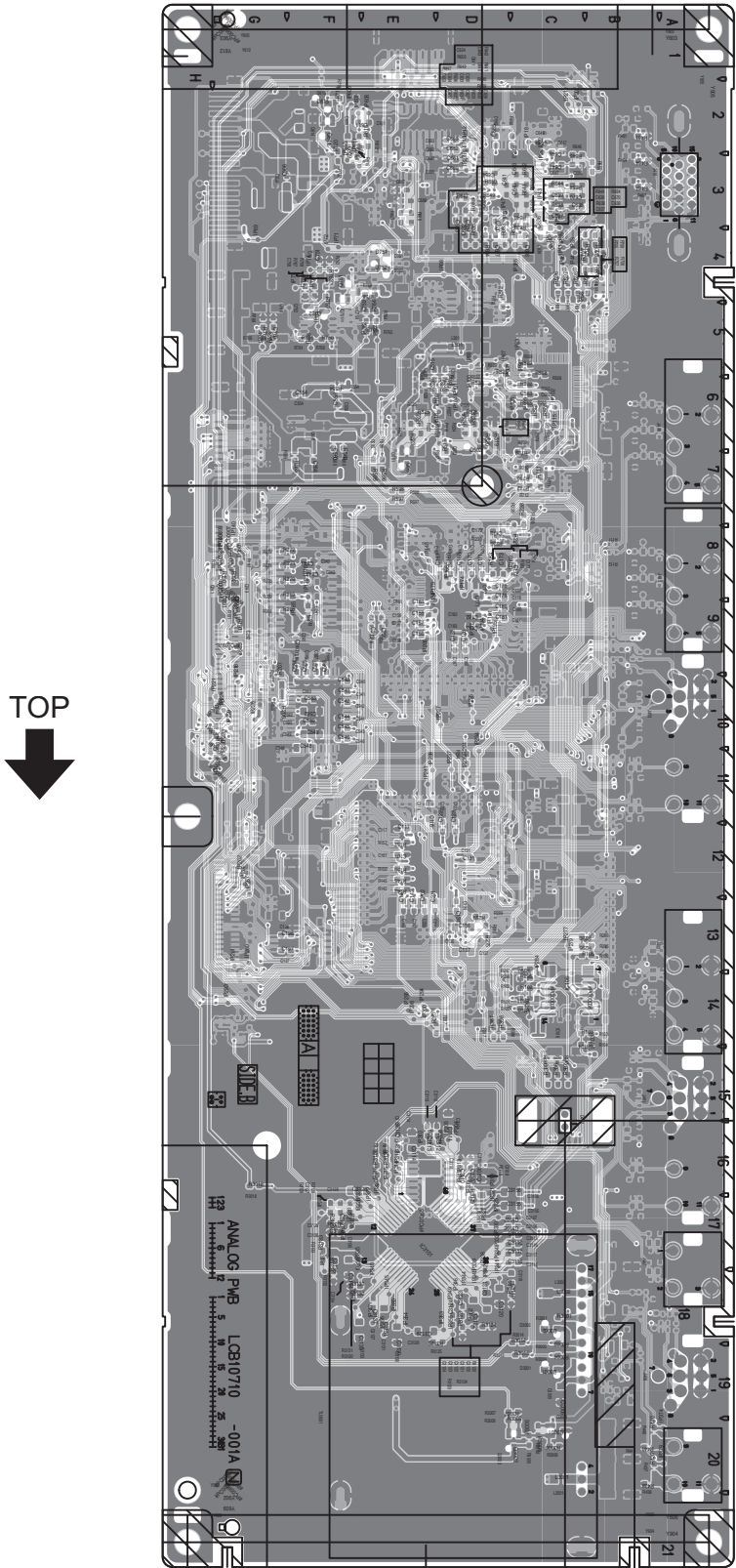




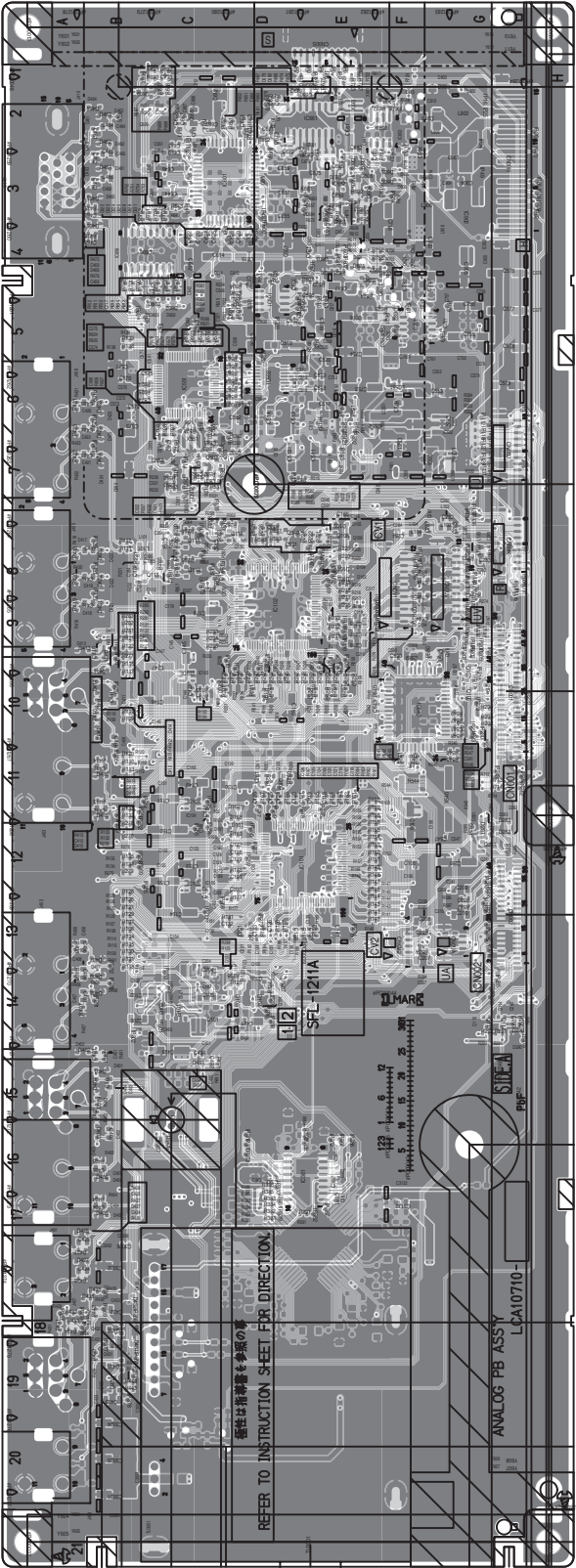
SUB POWER PWB ASS'Y  
SFL-9711A-M2



**PATTERN DIAGRAMS**  
ANALOG PWB PATTERN [SOLDER SIDE]

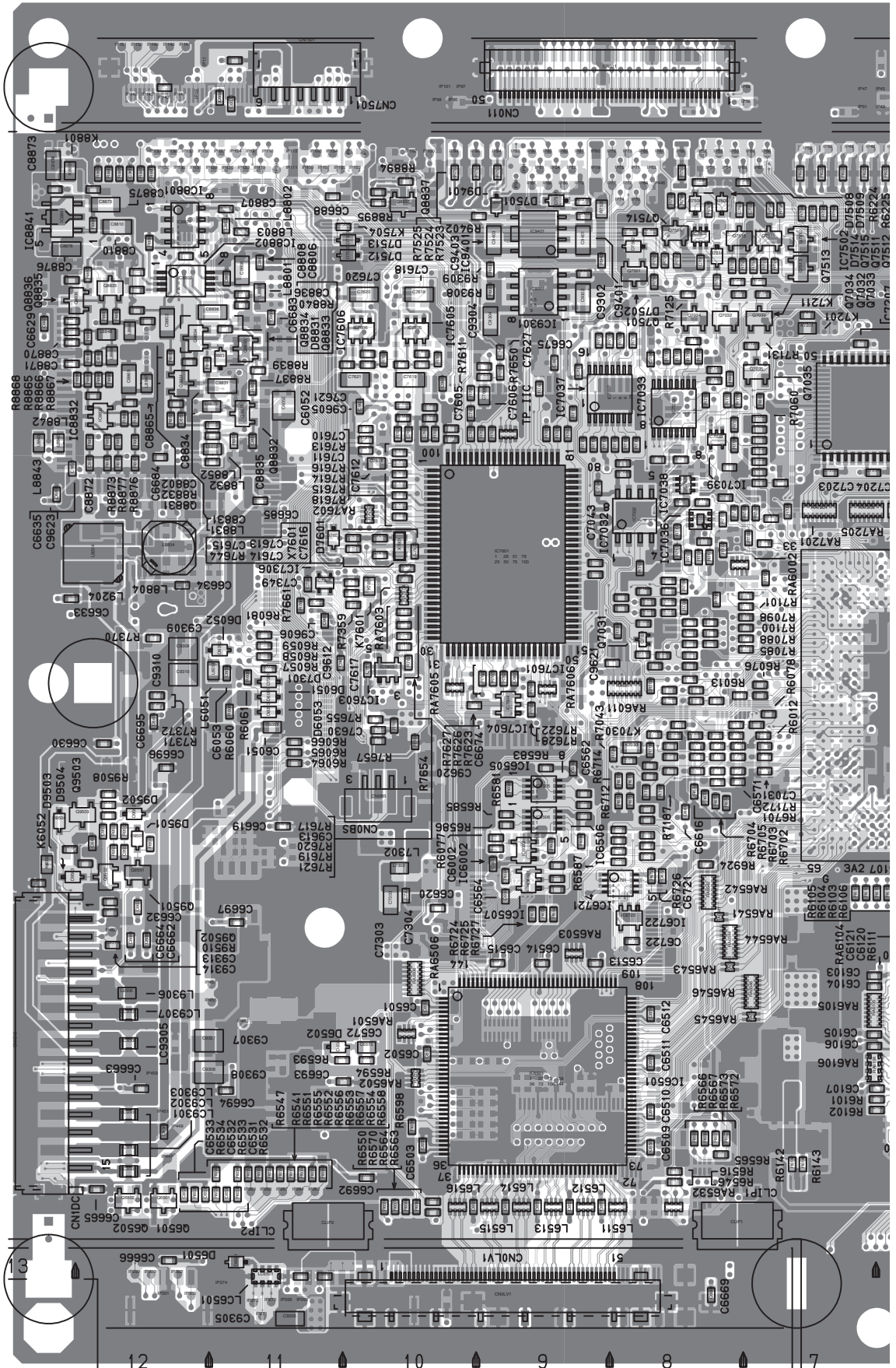


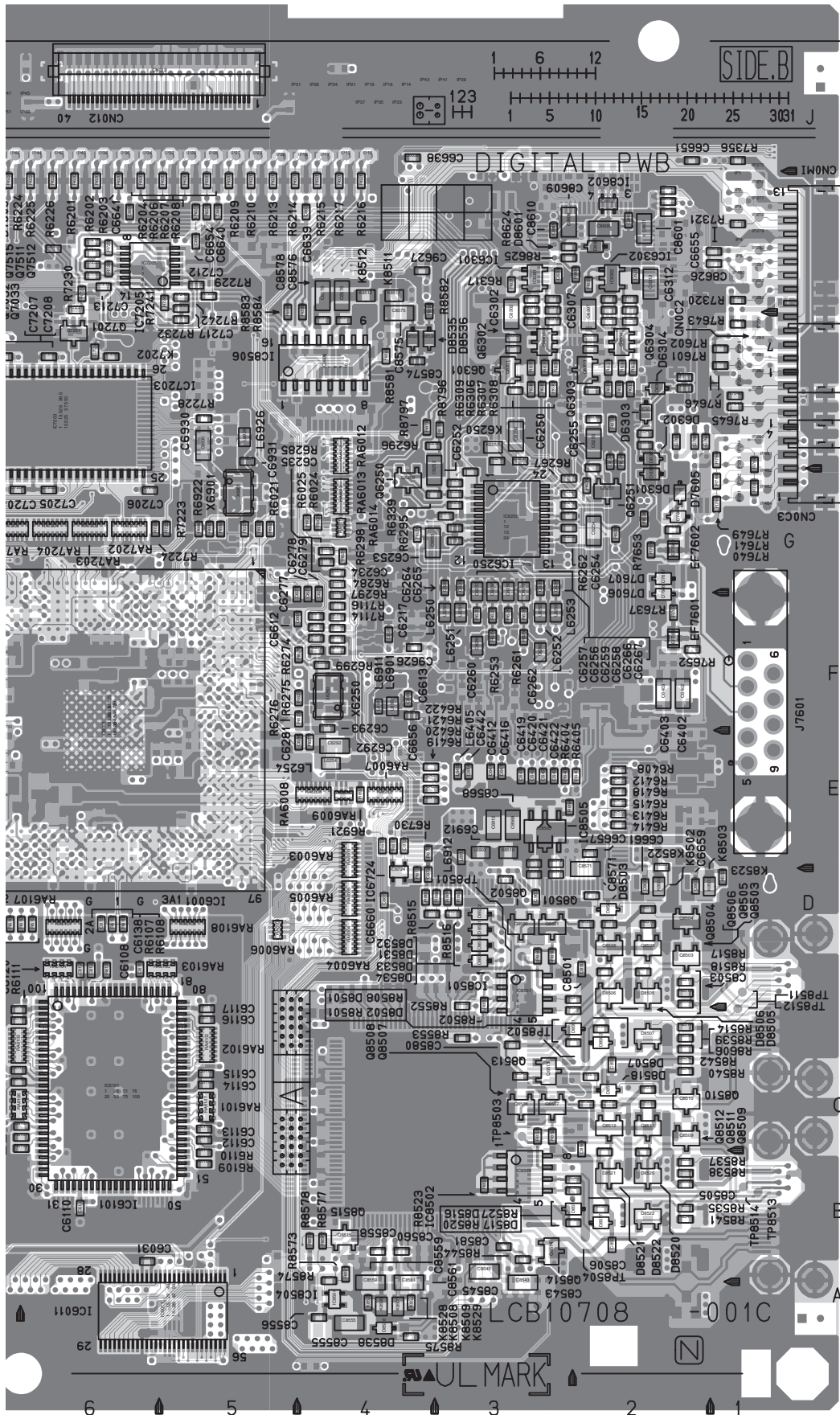
ANALOG PWB PATTERN [PARTS SIDE]

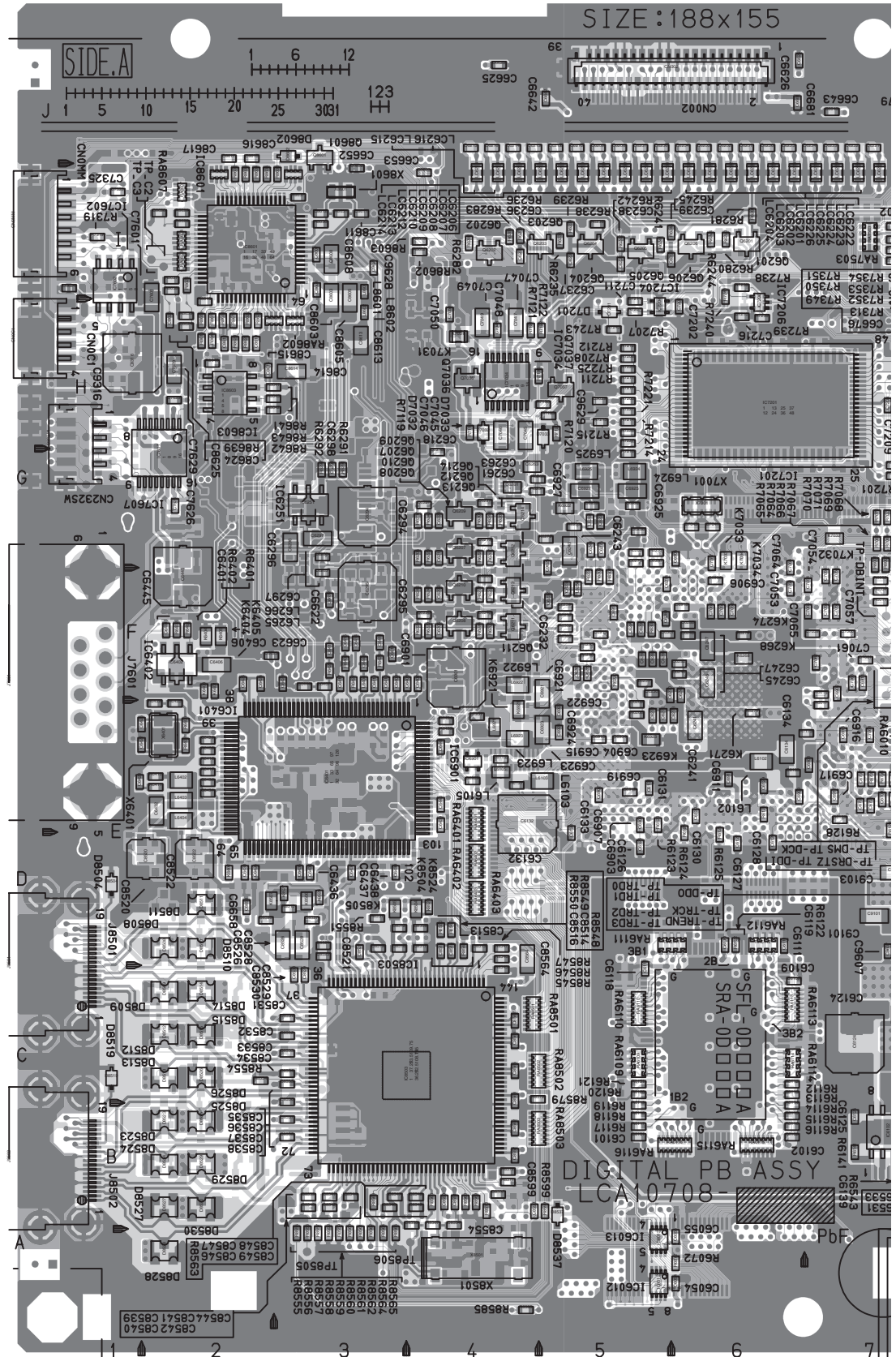


# DIGITAL PWB PATTERN [SOLDER SIDE]

TOP  
←

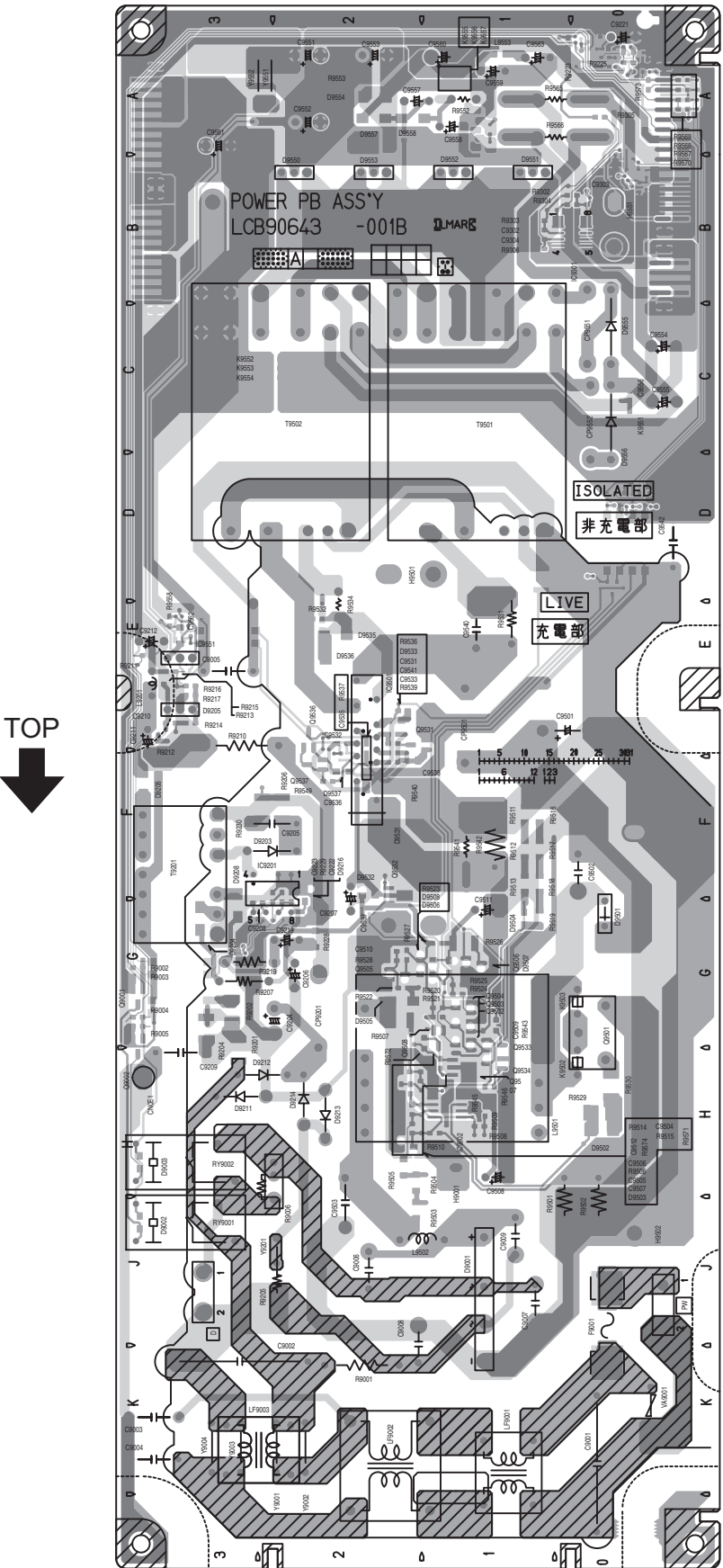








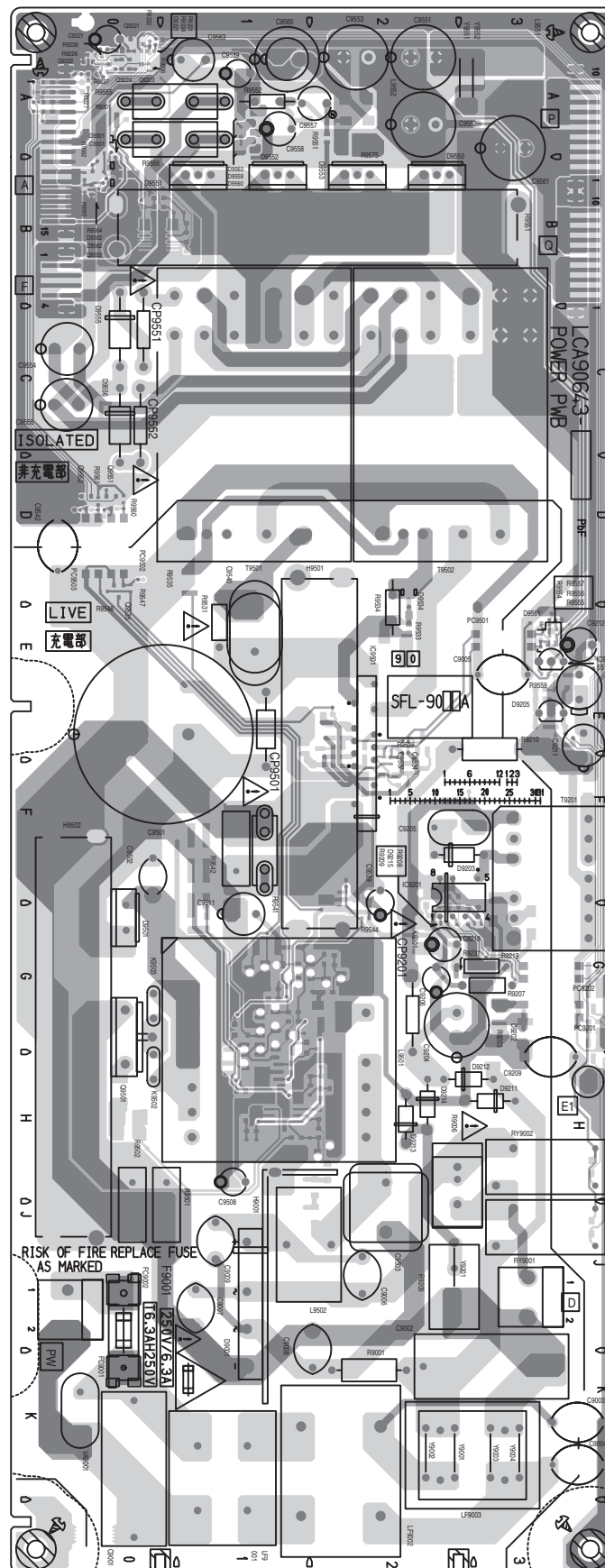
MAIN POWER PWB PATTERN [SOLDER SIDE]



# MAIN POWER PWB PATTERN [PARTS SIDE]

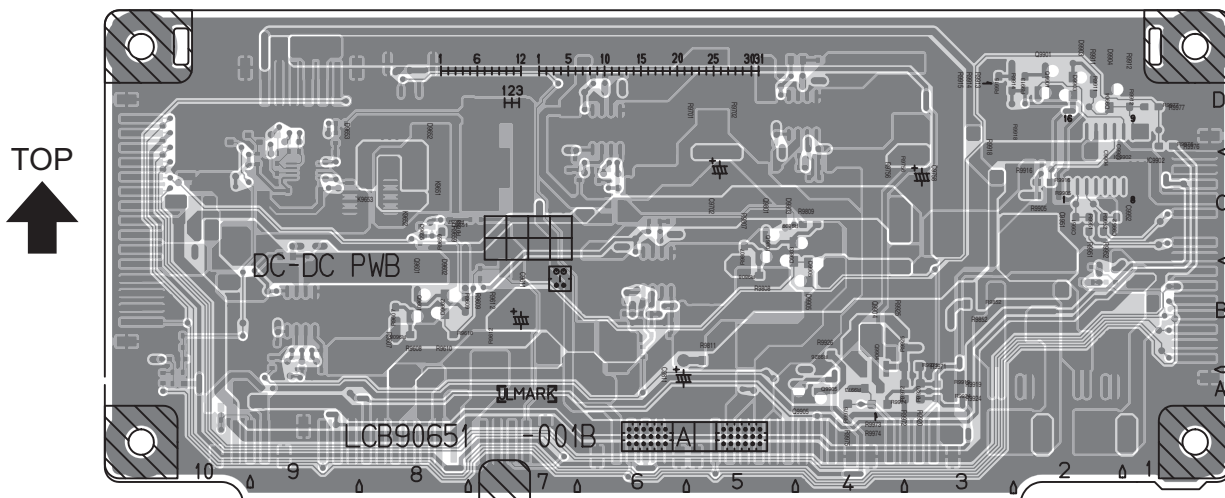


CAUTION :  
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,  
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)  
AND ROHM'S MFR'S TYPE CP(S).

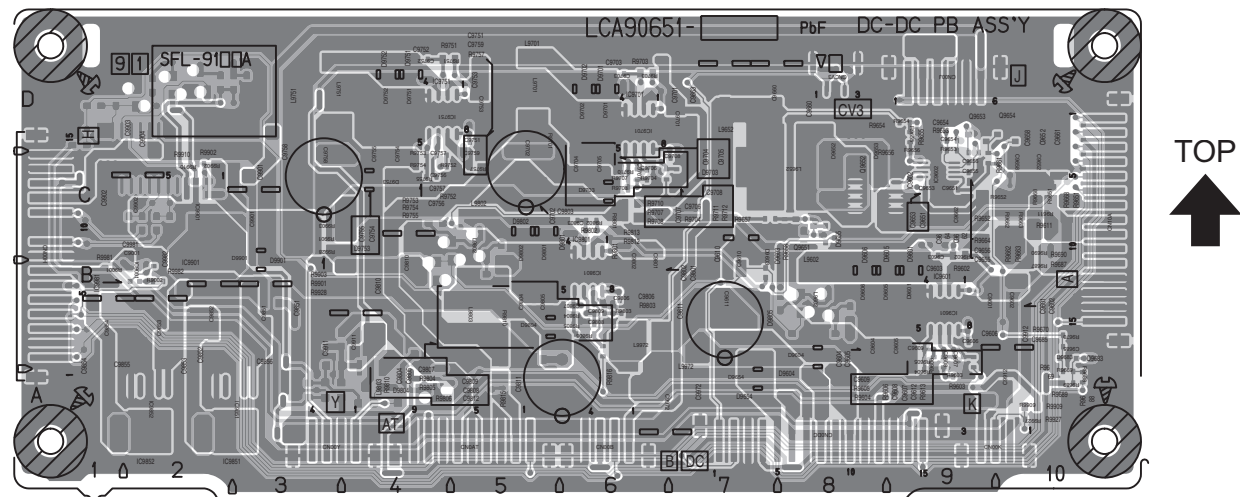


TOP  
↓

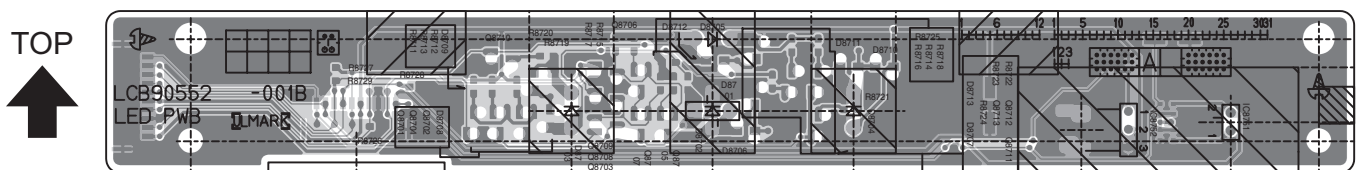
DC-DC PWB PATTERN [SOLDER SIDE]



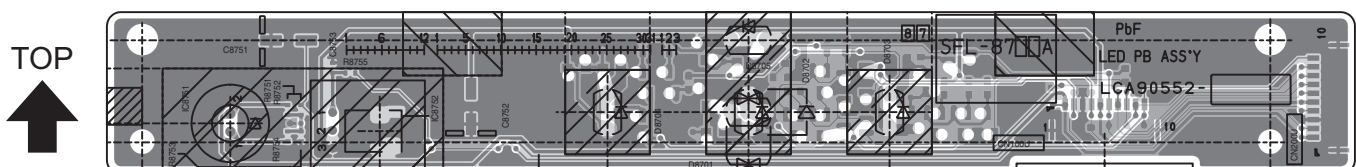
DC-DC PWB PATTERN [PARTS SIDE]



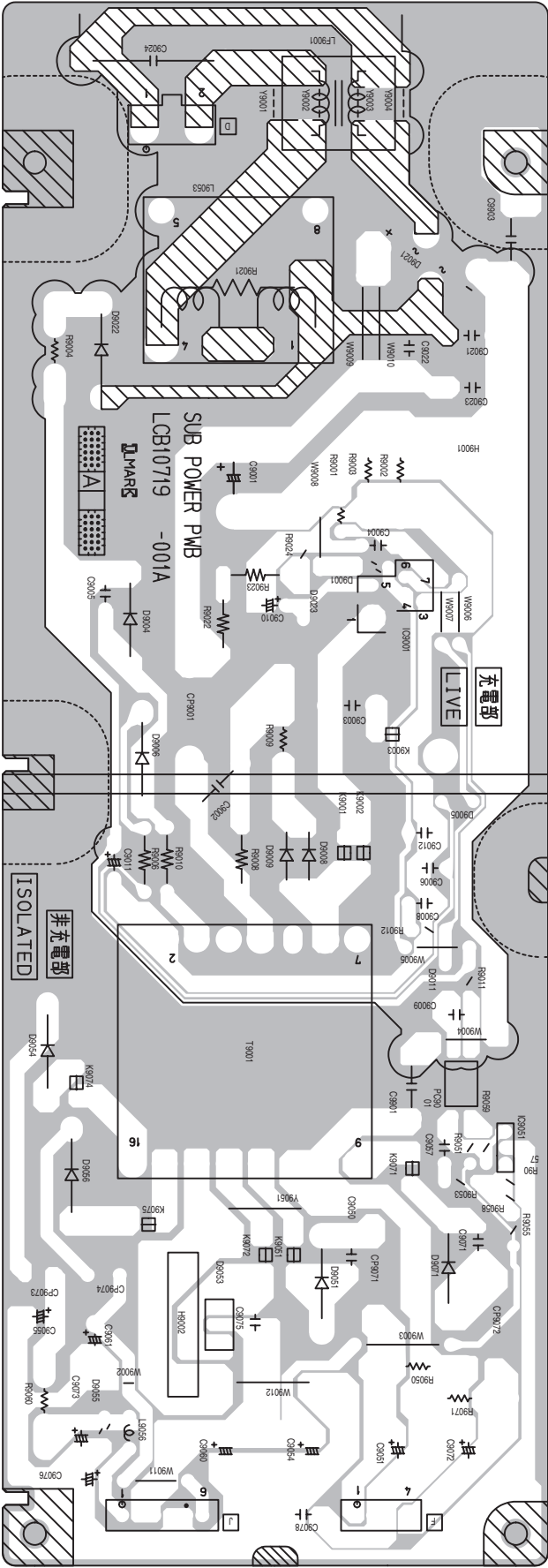
LED PWB PATTERN [SOLDER SIDE]



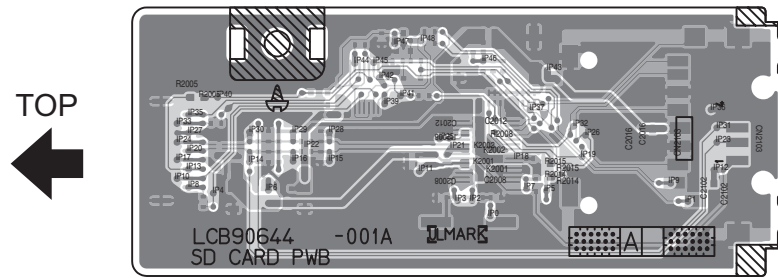
LED PWB PATTERN [PARTS SIDE]



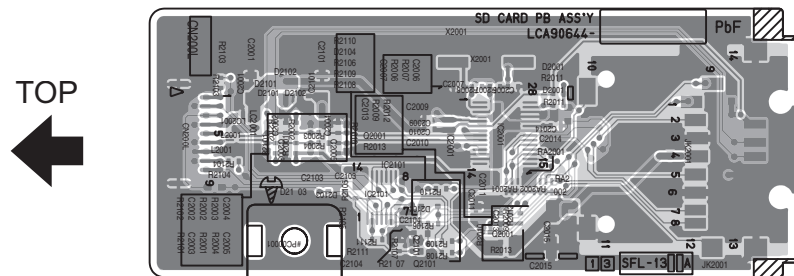




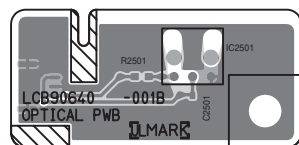
SD CARD PWB PATTERN [SOLDER SIDE]



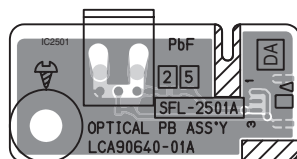
SD CARD PWB PATTERN [PARTS SIDE]



OPTICAL PWB PATTERN [SOLDER SIDE]



OPTICAL PWB PATTERN [PARTS SIDE]



# VOLTAGE CHARTS

<ANALOG PWB>

[P.2-7 -P.2-8]

MODE PIN NO.	DC (V)
IC101	
1	4.4
2	4.4
3	0
4	4.4
5	4.4
6	0
7	4.5
8	4.4
9	0
10	4.4
11	4.4
12	0
13	4.4
14	4.4
15	4.4
16	4.4
17	4.5
18	8.9
19	4.5
20	4.4
21	0
22	4.4
23	4.4
24	0
25	4.4
26	4.4
27	0
28	4.4
29	4.4
30	8.9
31	4.5
32	4.4
33	4.4
34	4.5
35	4.5
36	4.5
37	1.4
38	1.9
39	1.4
40	1.9
41	0
42	2.1
43	1.6
44	5.2
45	1.9
46	0
47	2.1
48	5.2
49	1.9
50	1.6
51	4.9
52	5.0
53	5.2
54	5.2
55	2.5
56	5.2
57	2.5
58	2.1
59	2.1
60	2.5
61	5.2
62	2.5
63	0.3
64	0
65	0
66	0
67	5.1
68	2.5
69	0.3
70	2.1
71	5.1
72	2.5
73	5.1
74	2.5
75	1.3
76	0.3
77	2.1
78	1.4
79	2.6
80	5.2
81	2.3
82	0
83	2.8
84	0
85	2.5
86	5.1
87	2.5
88	0.2
89	2.2
90	0
91	2.5
92	2.8
93	2.5
94	0.1
95	0.1
96	5.1

MODE PIN NO.	DC (V)
97	2.5
98	5.1
99	2.5
100	2.5
IC102	
1	0
2	2.4
3	2.5
4	2.4
5	2.5
6	2.4
7	2.5
8	2.4
9	0
10	2.4
11	0
12	0
13	0
14	0
15	0
16	0
17	2.4
18	0
19	2.4
20	0
21	0
22	0
23	0
24	4.9
25	4.9
26	0
27	3.4
28	3.3
29	0
30	0
31	5.2
32	1.4
33	0
34	0
35	0
36	3.5
37	3.5
38	3.4
39	0.2
40	0
41	0
42	2.2
43	1.0
44	0
45	1.0
46	2.3
47	1.9
48	1.9
49	1.0
50	2.3
51	5.1
52	1.8
53	2.0
54	3.0
55	2.6
56	2.5
57	5.2
58	0
59	0
60	2.2
61	0
62	0
63	8.8
64	0
65	0
66	8.8
67	5.2
68	2.5
69	2.5
70	2.4
71	5.1
72	2.4
73	5.1
74	2.4
75	0
76	0.3
77	0
78	2.4
79	0
80	2.1
81	0
82	0
83	0
84	0
85	0
86	2.4
87	0
88	2.4
89	2.8
90	2.4
91	0
92	0

MODE PIN NO.	DC (V)
93	0.2
94	2.4
95	0
96	2.4
97	0
98	0
99	0
100	5.1
IC106	
1	4.4
2	0
3	4.4
4	4.4
5	7.3
6	0
7	0
8	4.4
9	0.1
10	4.4
11	4.4
12	0
13	0
14	0
Q101	
E	0
C	0
B	7.3
Q102	
E	0
C	7.3
B	0.1
Q106	
S	3.3
D	3.0
G	4.9
Q107	
S	3.3
D	3.1
G	5.0
Q108	
E	0
C	0
B	0.6
Q109	
E	2.6
C	0
B	1.9
Q110	
E	2.2
C	0
B	1.4
Q111	
E	2.2
C	0
B	1.3
Q112	
E	1.8
C	0
B	1.1
Q113	
E	2.3
C	5.1
B	3.0
Q281	
E	8.8
C	0
B	8.8
CN0UA	
1	0
2	0
3	0
CN0UV	
1	0
2	0.1
3	0
4	1.1
5	0
6	0.9
7	0
8	1.1
9	0
10	0
11	0
12	0
13	0

[P.2-9 -P.2-10]	
MODE PIN NO.	DC (V)
Q431	
E	0
C	0
B	0
Q432	
E	0
C	0
B	0
Q433	
E	0
C	0
B	0

[P.2-11 -P.2-12]	
MODE PIN NO.	DC (V)
IC381	
1	0
2	4.8
3	4.9
4	0
5	0
6	0
7	5.2
8	0
9	0
10	5.2
11	0
12	0
13	5.2
14	0
15	0
16	5.2
IC3101	
1	4.1
2	4.1
3	4.1
4	0
5	4.8
6	4.9
7	0
8	4.1
9	4.1
10	4.1
11	4.0
12	5.3
13	4.1
14	1.3
15	0
16	0
17	0
18	4.0
19	8.9
20	0
21	4.1
22	4.1
23	0
24	0
25	4.1
26	3.9
27	4.1
28	1.7
29	0
30	0
31	1.7
32	4.0
33	4.1
34	0
35	4.1
36	4.1
37	0
38	0.1
39	4.1
40	4.1
41	0.7
42	0
43	0
44	0
45	4.1
46	4.1
47	4.1
48	4.1
Q3001	
E	2.5
C	0
B	1.9
Q3002	
E	2.0
C	0
B	2.5
TU3001	
1	-
2	0
3	5.1
4	0
5	-
6	-
7	0.9
8	2.2
9	0
10	5.0
11	4.9
12	2.0
13	2.6
14	0
15	31.3
16	2.2
17	2.1
18	-
19	-
20	-
21	-

[P.2-13 -P.2-14]	
MODE PIN NO.	DC (V)
IC552	
1	5.3
2	0
3	0.9
4	1.5
5	3.3
[P.2-15 -P.2-16]	
MODE PIN NO.	DC (V)
IC601	
1	6.0
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	0.7
8	6.1
9	6.1
10	6.1
11	0.5
12	0.5
13	1.0
14	7.4
15	4.8
16	4.3
17	4.8
18	4.9
19	0
20	12.1
21	0
22	6.1
23	4.8
24	0
25	4.7
26	0
27	5.1
28	4.5
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	0
35	6.1
36	6.1
37	6.1
38	6.1
39	6.1
40	6.1
41	0
42	6.1
43	6.1
44	6.1
45	6.1
46	6.1
47	6.1
48	6.2
IC606	
1	0
2	5.0
3	0
4	0
5	5.2
6	0
7	0
8	0
9	5.2
10	0
11	0
12	0
13	5.2
14	0
15	0
16	5.2
IC661	
1	0
2	1.2
3	1.2
4	0
5	3.3
6	3.3
7	3.1
8	0
9	1.4
10	0
11	3.3
13	1.6
14	1.6
15	1.2
16	1.2
IC751	
1	2.0
2	0

MODE PIN NO.	DC (V)
3	2.1
4	0
5	0
6	0
7	2.1
8	0.2
Q614	
E	8.1
C	-0.1
B	8.7
Q621	
E	5.0
C	0
B	5.2
Q622	
E	0
C	5.2
B	0
Q751	
E	0
C	0
B	0
Q752	
E	0
C	0
B	2.6

[P.2-17 -P.2-18]	
MODE PIN NO.	DC (V)
IC902	
1	4.9
2	0
3	3.3

<DIGITAL PWB> [P.2-19 -P.2-20]	
MODE PIN NO.	DC (V)
Q7501	
E	0
C	1.2
B	1.9

P.2-27 -P.2-28	
MODE PIN NO.	DC (V)
IC6250	
1	0
2	5.2
3	1.6
4	0
5	0
6	0
7	0
8	0
9	5.2
10	0
11	0
12	0
13	0
14	0
15	0.8
16	5.2
17	0
18	0
19	0
20	1.7
21	0
22	0
23	5.2
24	0
IC6251	
1	1.5
2	0
3	0
4	5.3
5	3.3
Q6201	
E	2.5
C	0
B	0
Q6202	
E	3.2
C	0
B	2.6
Q6203	
E	2.6
C	0
B	1.8
Q6204	
E	2.9
C	0
B	2.2
Q6205	
E	3.0
C	0
B	2.2
Q6206	
E	0
C	0
B	0
Q6207	
E	1.3
C	5.3
B	2.1
Q6208	
E	1.4
C	5.3
B	2.1
Q6209	
E	1.5
C	0
B	2.1
Q6210	
E	1.4
C	5.3
B	0
Q6211	
E	2.2
C	5.3
B	2.9
Q6212	
E	2.3
C	5.3
B	3.0
Q6213	
E	0
C	5.3
B	0
Q6214	
E	1.3
C	5.3
B	2.0
Q6250	
E	1.6
C	5.2
B	2.1
Q6251	
E	2.1
C	5.2
B	2.1

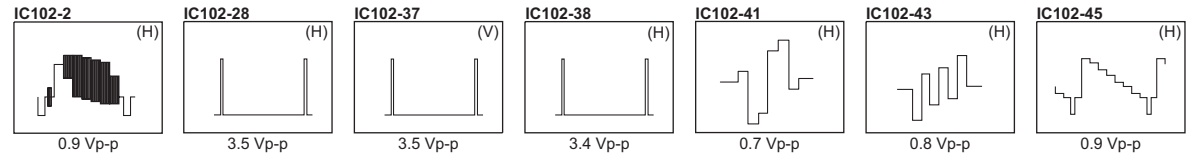
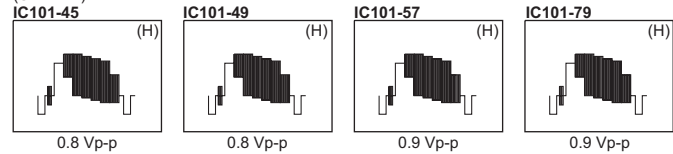
P.2-29 -P.2-30	
MODE PIN NO.	DC (V)
IC6001	-
IC6002	
1	1.0
2	1.2
3	0
4	1.2
5	3.3
IC6724	
1	0
2	3.3
3	0
4	3.3

P.2-33 -P.2-34	
MODE PIN NO.	DC (V)
IC6101	
1	1.2
2	2.5
3	1.3
4	1.2
5	0
6	1.2
7	1.2
8	2.5
9	1.2
10	1.2
11	0
12	1.2

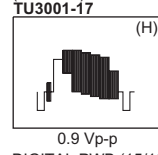
(No.YA430)2-82

# WAVEFORMS

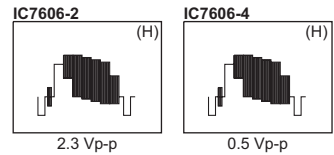
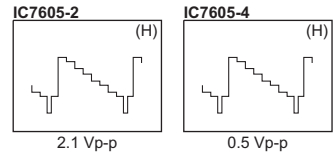
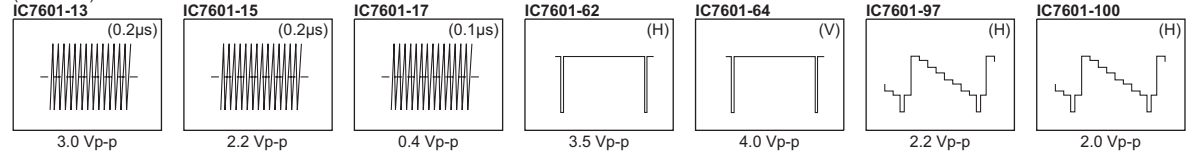
ANALOG PWB (1/6)  
(SHEET1)



ANALOG PWB (3/6)  
(SHEET3)



DIGITAL PWB (15/16)  
(SHEET21)





Victor Company of Japan, Limited  
Flat Panel Display Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama-city, kanagawa-prefecture, 221-8528, Japan

(No.YA430)



Printed in Japan  
VPT

# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

### ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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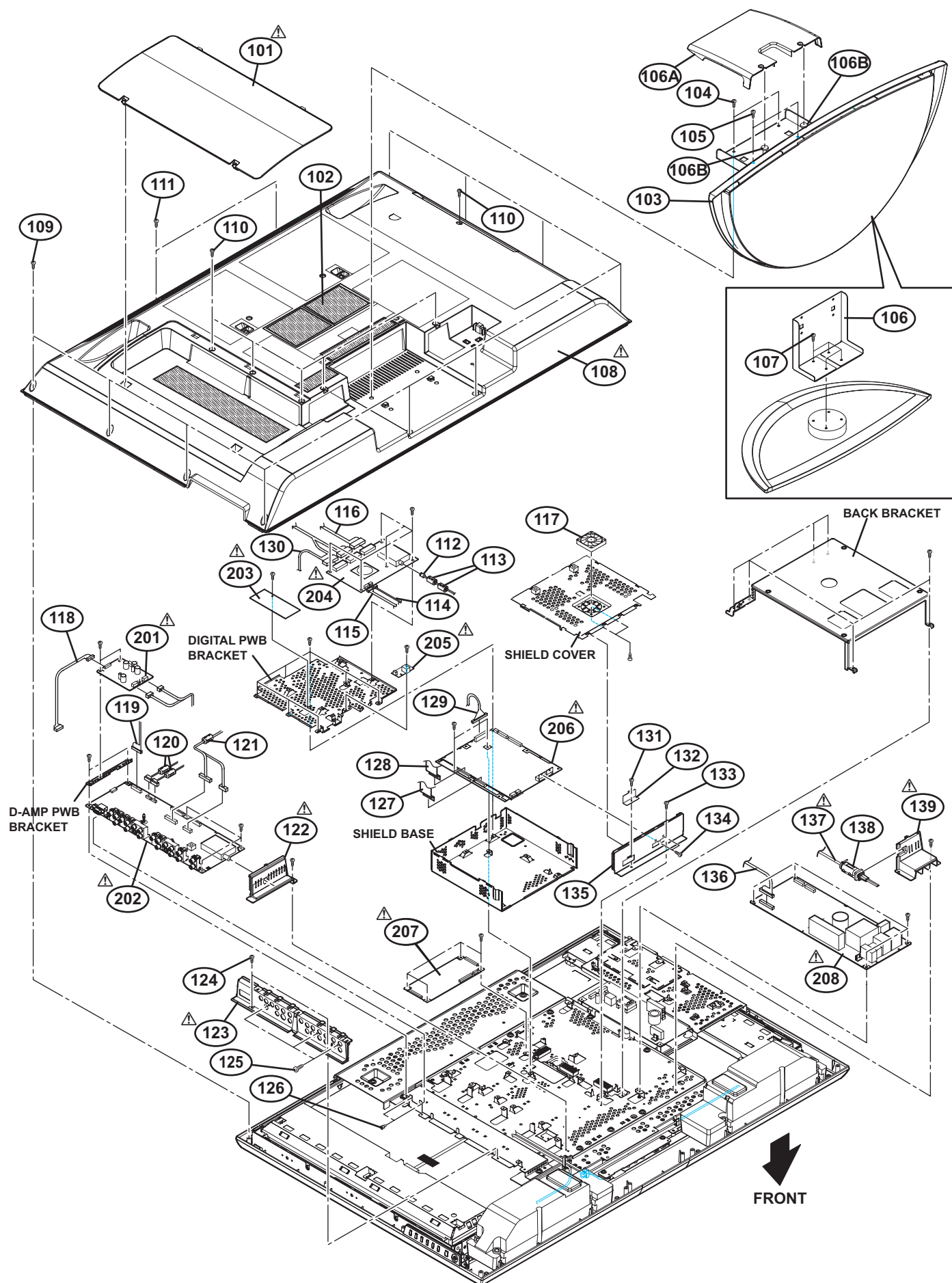
## USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.		
	LT-40X667/S	LT-40X787/S	LT-40X887/S
ANALOG P.W.B	SFL-1312A-M2	←	←
SD CARD P.W.B	SFL-1305A-M2	←	←
OPTICAL P.W.B	SFL-2501A-M2	←	←
D-AMP P.W.B	SFL-6302A-M2	←	←
SW P.W.B	SFL-7210A-M2	←	←
LED P.W.B	SFL-8712A-M2	←	←
MAIN POWER P.W.B	SFL-9060A-M2	←	←
DC-DC P.W.B	SFL-9161A-M2	←	←
SUB POWER P.W.B	SFL-9711A-M2	←	←
DIGITAL P.W.B	SFL0D189A-M2	SFL0D186A-M2	SFL0D171A-M2
ATSC TUNER MODULE P.W.B	SSD-2204A-M2	←	←
REMOTE CONTROL UNIT	RM-C18G-1H	←	←

# EXPLODED VIEW PARTS LIST-1

△	Ref.No.	Part No.	Part Name	Description	Local
△	101	LC12550-001A-0K	JACK COVER		
	102	LC32925-002A-A	LICENSE LABEL		
	103	LC42377-001A-C	STAND BASE UNIT		LT-40X667S,LT-40X887S
	103	LC42289-001A-C	STAND BASE UNIT		LT-40X787S
	104	QYSPSPD5016MA	SCREW	M5 x 16mm(x2)	
	105	QYSPSPD5020ZA	SCREW	M5 x 20mm(x2)	
	106	LC42378-001B-C	SUPPORT UNIT	Inc.106A/106B	
	106A	T0148-01	STAND COVER		
	106B	M0R-0909-C3-16	SCREW		
	107	QYSPSPD5016MA	SCREW	M5 x 16mm(x4)	
△	108	LC12601-007A-0K	REAR COVER ASSY		
	109	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	110	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x6)	
	111	LC42446-002A	SCREW	(x2)	
	112	WJX0037-001A-E	E-COAXIAL ASSY	DIGITAL TUNER-ANALOG TUNER	
	113	QQR0490-001	NOISE FILTER	(x2)	
	114	WJJ0721-001A-E	E-SI C WIRE C-C	ATSC TUNER MODULE CN1005-OPTICAL	
	115	WJJ0719-001A-E	E-SI C WIRE C-C	ATSC TUNER MODULE CN1004-SD CARD	
	116	WJJ0720-001A-E	E-SI C WIRE C-C	ATSC TUNER MODULE CN6001-DC-DC AT	
	117	QAR0370-002	COOLING FAN		
	118	QJJ064-100600-E	SIN CR C-C WIRE	ANALOG S-D-AMP CN00S	
	119	QJJ009-150710-E	SIN CR C-C WIRE	ANALOG H-DC-DC H	
	120	QQR0490-001	NOISE FILTER	(x2)	
	121	QQR0917-001	CORE FILTER		
△	122	LC12507-002B-0K	TUNER BASE		
△	123	LC12506-009B-0K	TERMINAL BASE		
	124	LC42446-002A	SCREW	(x2)	
	125	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x3)	
	126	QNB0036-001	CONN ACCESSORY	(x2)	
	127	QUQL05-4009AA-E	FFC WIRE	DIGITAL CN002-ANALOG CN002	
	128	QUQL05-5009AA-E	FFC WIRE	DIGITAL CN001-ANALOG CN001	
	129	QJJ009-151010-E	SIN CR C-C WIRE	DIGITAL CN0DC-DC-DC DC	
	130	WJZ0216-001A-E	E-HARNESS ASSY	DIGITAL CN0ID-ATSC TUNER MODULE CN5004	
	131	LC42446-001A	SCREW		
	132	LC42340-001B-HK	SERVICE COVER		
	133	LC42446-001A	SCREW		
	134	QYSPSP3004ZA	SCREW	M3 x 4mm(x2)	
	135	LC12497-008A-HK	SHIELD TERMINAL		
	136	QJJ009-151010-E	SIN CR C-C WIRE	MAIN POWER A-DC-DC A	
△	137	QMPD710-170-JC	POWER CORD(US/CA)	1.7m BLACK	LT-40X667S
△	137	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	LT-40X787S,LT-40X887S
	138	QQR0491-001	FERRITE CORE		
△	139	LC22007-002A	POWER CORD HOLDER		
△	201	SFL-6302A-M2	D-AMP PWB		
△	202	SFL-1312A-M2	ANALOG PWB		
△	203	SFL-1305A-M2	SD CARD PWB		
△	204	SSD-2204A-M2	ATSC TUNER MODULE PWB		
△	205	SFL-2501A-M2	OPTICAL PWB		
△	206	SFL0D189A-M2	DIGITAL PWB		LT-40X667S
△	206	SFL0D186A-M2	DIGITAL PWB		LT-40X787S
△	206	SFL0D171A-M2	DIGITAL PWB		LT-40X887S
△	207	SFL-9161A-M2	DC-DC PWB		
△	208	SFL-9060A-M2	MAIN POWER PWB		

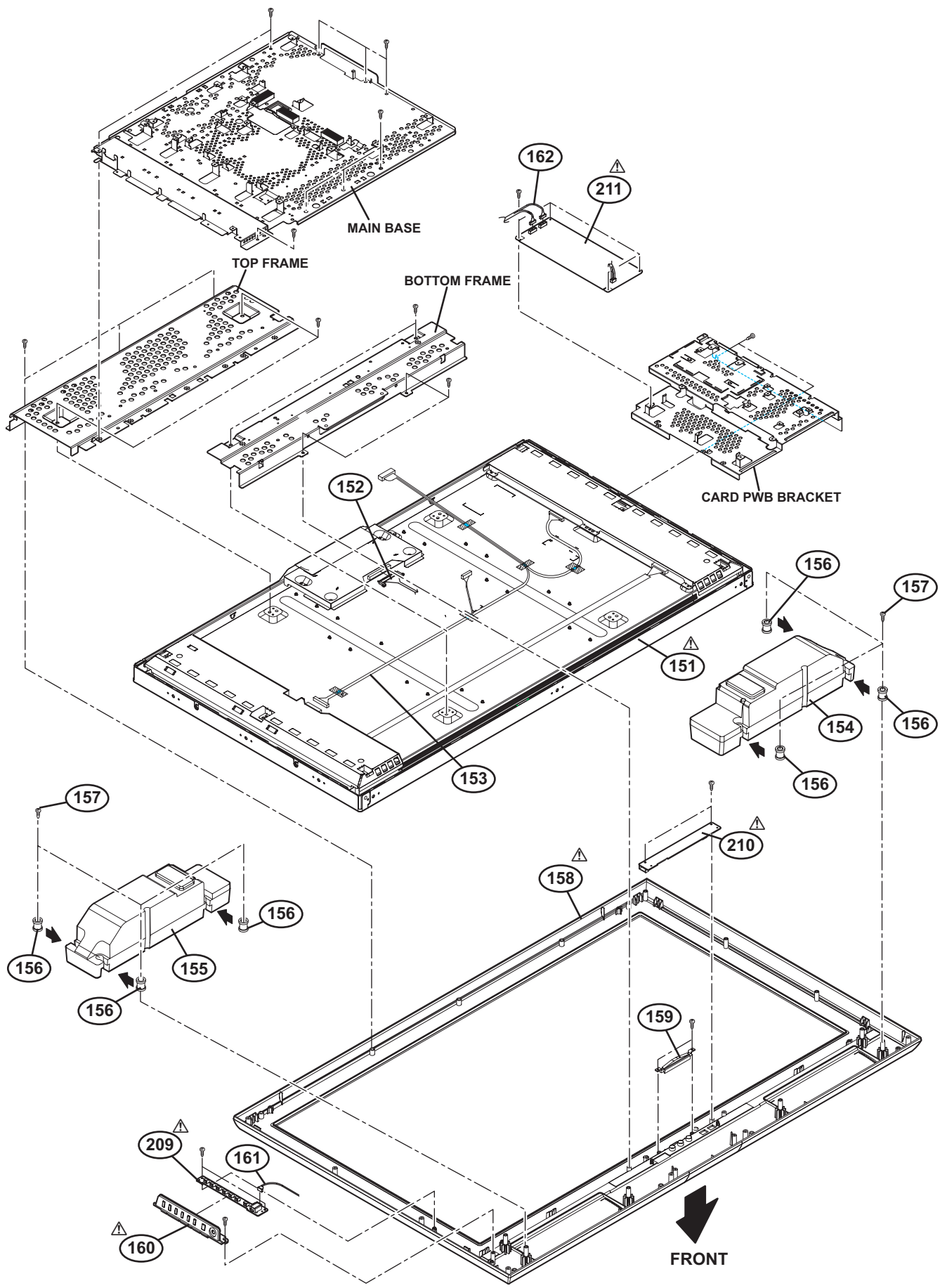
# EXPLODED VIEW -1



# EXPLODED VIEW PARTS LIST -2

△	Ref.No.	Part No.	Part Name	Description	Local
△	151	QLD0439-001-JIM	LCD PANEL UNIT		
	152	WJW0041-003A-E	DIGITAL(LVDS) CABLE	DIGITAL CN0LV2-LCD PANEL UNIT	
	153	WJZ0203-001A-E	E-HARNESS ASSY	MAIN POEWR P-LCD PANEL UNIT	
	154	LC41913-006A-C	SPEAKER ASSY	LEFT	
	155	LC41913-005A-C	SPEAKER ASSY	RIGHT	
	156	LC40226-005A-H	SPACER	(x6)	
	157	LC41458-002A	TAPPING SCREW	(x6)	
△	158	LC12197-014A-0K	FRONT PANEL ASSY		LT-40X667S,LT-40X887S
△	158	LC12197-015A-0K	FRONT PANEL ASSY		LT-40X787S
	159	LC33125-001B-HK	LED LENS		
△	160	LC33196-012A-0K	CONTROL ASSY		LT-40X667S,LT-40X887S
△	160	LC33196-011A-0K	CONTROL ASSY		LT-40X787S
	161	WJZ0229-001A-E	E-HARNESS ASSY	ANALOG R-SW CN100R	
	162	WJZ0180-001A-E	E-HARNESS ASSY	SUB POWER F-D-AMP CN10F	
△	209	SFL-7210A-M2	SW PWB		
△	210	SFL-8712A-M2	LED PWB		
△	211	SFL-9711A-M2	SUB POWER PWB		

**EXPLODED VIEW -2**



# PRINTED WIRING BOARD PARTS LIST [LT-40X667/s]

## ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
IC101	R2S11004FT	IC			C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC102	R2S11003FT	IC			C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
IC106	CD4066BNS-X	IC			C116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
IC381	M62320FP-X	IC			C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC552	PQ2L3152MS-X	IC			C118	NCB31AK-105X	C CAPACITOR	1uF 10V K	
IC601	NJW1182FP1	IC			C119	NCB31AK-105X	C CAPACITOR	1uF 10V K	
IC606	M62320FP-X	IC			C120	NCB31AK-105X	C CAPACITOR	1uF 10V K	
IC661	MX3000CS-X	IC			C121	NCB31AK-105X	C CAPACITOR	1uF 10V K	
IC751	BH3547F-X	IC			C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC902	BA33BC0FP-X	IC			C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
IC3101	CXA2205Q-X	IC			C124	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q101	RT1N441C-X	TRANSISTOR			C125	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q102	RT1N441C-X	TRANSISTOR			C126	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q106	SSM3K17FU-X	MOS FET			C127	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q107	SSM3K17FU-X	MOS FET			C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q108	2SC1623A/5-6/-X	TRANSISTOR			C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q109	2SA1022/BC/-X	TRANSISTOR			C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
Q110	2SA1022/BC/-X	TRANSISTOR			C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q111	2SA1022/BC/-X	TRANSISTOR			C132	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q112	2SA1022/BC/-X	TRANSISTOR			C133	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q113	2SC1623A/5-6/-X	TRANSISTOR			C134	NCB31CK-105X	C CAPACITOR	1uF 16V K	
Q281	2SA812A/5-6/-X	TRANSISTOR			C136	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q431	RT4N430C-X	DIGI TRANSISTOR			C137	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q432	RT4N430C-X	DIGI TRANSISTOR			C138	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q433	RT1P440C-X	DIGI TRANSISTOR			C139	NCB31AK-105X	C CAPACITOR	1uF 10V K	
Q614	2SA812A/5-6/-X	TRANSISTOR			C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
Q621	2SA812A/5-6/-X	TRANSISTOR			C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q622	2SC1623A/5-6/-X	TRANSISTOR			C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q751	2SA812A/5-6/-X	TRANSISTOR			C156	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q752	UN2226-X	DIGI TRANSISTOR			C157	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q3001	2SA1530A/QR/-X	TRANSISTOR			C158	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q3002	2SC3928A/QR/-X	TRANSISTOR			C161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D105	1SS355W-X	DIODE			C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D281	1SS355W-X	DIODE			C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D282	1SS355W-X	DIODE			C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D283	1SS355W-X	DIODE			C169	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D401	UDZW10B-X	Z DIODE			C170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D402	UDZW10B-X	Z DIODE			C171	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D403	UDZW10B-X	Z DIODE			C172	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
D404	UDZW10B-X	Z DIODE			C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D405	UDZW10B-X	Z DIODE			C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
D406	UDZW10B-X	Z DIODE			C175	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D407	UDZW10B-X	Z DIODE			C176	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D408	UDZW10B-X	Z DIODE			C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D409	UDZW10B-X	Z DIODE			C178	NCB31AK-105X	C CAPACITOR	1uF 10V K	
D411	UDZW10B-X	Z DIODE			C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
D412	UDZW10B-X	Z DIODE			C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D413	UDZW10B-X	Z DIODE			C181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D414	UDZW10B-X	Z DIODE			C182	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D415	UDZW10B-X	Z DIODE			C183	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D416	UDZW10B-X	Z DIODE			C184	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
D420	UDZW10B-X	Z DIODE			C185	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
D421	UDZW10B-X	Z DIODE			C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D422	UDZW10B-X	Z DIODE			C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
D423	UDZW10B-X	Z DIODE			C194	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
D424	UDZW10B-X	Z DIODE			C195	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
D425	UDZW10B-X	Z DIODE			C196	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
D427	UDZW10B-X	Z DIODE			C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D428	UDZW10B-X	Z DIODE			C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D431	UDZW10B-X	Z DIODE			C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D432	UDZW10B-X	Z DIODE			C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D461	UDZW10B-X	Z DIODE			C204	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
D462	UDZW10B-X	Z DIODE			C206	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
D463	UDZW10B-X	Z DIODE			C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
D464	UDZW10B-X	Z DIODE			C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
D465	UDZW10B-X	Z DIODE			C211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D466	UDZW10B-X	Z DIODE			C240	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D491	UDZW3.3B-X	Z DIODE			C241	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D492	S9648	PHOTO CONDUCTOR			C242	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D605	1SS355W-X	DIODE			C261	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D606	1SS355W-X	DIODE			C262	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D607	1SS355W-X	DIODE			C263	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D608	1SS355W-X	DIODE			C264	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D615	1SS355W-X	DIODE			C281	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
D621	1SS355W-X	DIODE			C381	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D622	1SS355W-X	DIODE			C382	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D751	1SS355W-X	DIODE			C383	NCB31AK-105X	C CAPACITOR	1uF 10V K	
D752	1SS355W-X	DIODE			C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C101	NEHL1CM-107X	E CAPACITOR	100uF 16V M		C402	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C102	NCB11CK-225X	C CAPACITOR	2.2uF 16V K		C403	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K		C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C106	NCB11CK-475X	C CAPACITOR	4.7uF 16V K		C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
					C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
					C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
					C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
					C409	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
					C410	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C680	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C681	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C417	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C685	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C686	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C687	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C420	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C688	NDC31HJ-680X	C CAPACITOR	68pF 50V J
C421	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C717	NCB31AK-105X	C CAPACITOR	1uF 10V K
C424	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C751	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C425	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C752	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C431	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C753	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C432	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C754	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	C755	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C756	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C757	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C758	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C759	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C760	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C761	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C920	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C555	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C3001	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C557	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C558	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C559	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M	C3108	NCB11AK-106X	C CAPACITOR	10uF 10V K
C560	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C561	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M	C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C576	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C3111	NCB11AK-106X	C CAPACITOR	10uF 10V K
C577	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C578	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C579	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C3114	NCB11AK-106X	C CAPACITOR	10uF 10V K
C612	NEHL1CM-107X	E CAPACITOR	100uF 16V M	C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C614	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C615	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	C3117	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C616	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C617	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K
C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	C3120	NCB11AK-106X	C CAPACITOR	10uF 10V K
C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C3121	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	C3122	NCB11AK-335X	C CAPACITOR	3.3uF 10V K
C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3126	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C633	NCB31HK-822X	C CAPACITOR	8200pF 50V K	C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C634	NCB31HK-822X	C CAPACITOR	8200pF 50V K	C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C635	NCB31HK-681X	C CAPACITOR	680pF 50V K	C3129	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C636	NCB31HK-681X	C CAPACITOR	680pF 50V K	C3130	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	C3131	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3132	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C640	NCB31CK-105X	C CAPACITOR	1uF 16V K	C3133	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C641	NCB31CK-105X	C CAPACITOR	1uF 16V K	C3134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C642	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C3135	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K
C646	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	C3137	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C647	NCB31CK-105X	C CAPACITOR	1uF 16V K	C3155	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C648	NCB31CK-105X	C CAPACITOR	1uF 16V K	C3156	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C649	NCB31CK-105X	C CAPACITOR	1uF 16V K				
C650	NCB31CK-105X	C CAPACITOR	1uF 16V K	R101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C651	NCB31CK-105X	C CAPACITOR	1uF 16V K	R102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	R103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C657	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C659	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	R110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C660	NCB31CK-105X	C CAPACITOR	1uF 16V K	R111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C661	NCB31CK-105X	C CAPACITOR	1uF 16V K	R112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C663	NCB31CK-105X	C CAPACITOR	1uF 16V K	R121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C664	NCB31CK-105X	C CAPACITOR	1uF 16V K	R122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C665	NCB31CK-105X	C CAPACITOR	1uF 16V K	R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C666	NCB11AK-106X	C CAPACITOR	10uF 10V K	R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C667	NCB31CK-105X	C CAPACITOR	1uF 16V K	R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C668	NCB31CK-105X	C CAPACITOR	1uF 16V K	R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C669	NCB31CK-105X	C CAPACITOR	1uF 16V K	R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C670	NCB31CK-105X	C CAPACITOR	1uF 16V K	R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C671	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C672	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C673	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C674	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C675	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C677	NCB31CK-105X	C CAPACITOR	1uF 16V K	R158	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C678	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C679	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R427	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R437	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R438	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R439	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R440	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R441	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R442	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R183	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R195	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R475	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R476	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R198	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R555	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R560	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R591	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R621	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R622	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R228	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R623	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R231	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	R624	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R232	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R625	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R626	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R634	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R239	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R635	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R636	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R639	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R640	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R642	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R644	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R654	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R661	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R662	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R261	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R669	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R670	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R671	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R284	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R286	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R289	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R293	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R295	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R296	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R297	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R723	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R384	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R391	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R755	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R758	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R759	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R406	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R765	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R411	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R769	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R412	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R413	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R414	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R421	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R422	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R423	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R426	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3133	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R3167	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
L101	NQL79GM-100X	COIL	10uH M
L902	NQL52EM-220X	COIL	22uH M
L903	NQR0562-010X	CHOKE COIL	
L906	NQL52EM-220X	COIL	22uH M
L3001	NQL79GM-4R7X	COIL	4.7uH M
L3002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)
J401	QNZ0726-001	AV JACK	INPUT-1(S/V/L/R)
J402	QNN0650-001	PIN JACK	INPUT-1(COMPLEMENT)
J403	QNZ0726-001	AV JACK	INPUT-2(S/V/L/R)
J405	QNN0651-001	PIN JACK	INPUT-3(V/L/R)
J406	QNN0650-001	PIN JACK	INPUT-3(COMPLEMENT)
J407	QNN0652-001	PIN JACK	HDMI AUDIO IN
J410	QNZ0561-001	D CONNECTOR	PC IN
J412	QNN0652-001	PIN JACK	AUDIO IN
K661	NQR0499-002X	FERRITE BEADS	
K662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
TU3001	QAU0467-001	TUNER	
X661	NAX0857-001X	C RESONATOR	25.00MHz

## SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC2001	AU9331C23-MAS-X	IC	
Q2001	2SA1576A/QRS/-X	TRANSISTOR	
C2001	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2002	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C2003	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C2004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C2005	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C2006	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C2007	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C2008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2011	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C2015	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C2016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R2001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R2003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R2004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R2005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2006	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R2007	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R2009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R2010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R2015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RA2001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
RA2002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4
L2001	NQR0603-002X	EMI FILTER	
JK2001	NNZ0058-001X	SD CARD CONNECTOR	
K2001	NQR0499-002X	FERRITE BEADS	
K2002	NQR0499-002X	FERRITE BEADS	
LC2001	NQR0483-007X	EMI FILTER	
X2001	NAX0877-001X	CRYSTAL	12MHz

## OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC2501	QNZ0727-001	OPT CONNECTOR	OPTICAL OUT
C2501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R2501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

## D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC6201	PQ20WZ11-X	IC	
IC6501	RC4558D-X	IC	
IC6621	LM393DR-X	IC	
IC6661	TDA8928ST/N1	IC	
Q6611	2SC1623A/5-6/-X	TRANSISTOR	
Q6612	2SC1623A/5-6/-X	TRANSISTOR	
Q6613	2SA812A/5-6/-X	TRANSISTOR	
Q6661	UN2112-X	DIGI TRANSISTOR	
Q6662	2SC1623A/5-6/-X	TRANSISTOR	
Q6663	UN2212-X	DIGI TRANSISTOR	
D6201	1SS355W-X	DIODE	
D6501	UDZW6.2B-X	Z DIODE	
D6663	UDZW3.3B-X	Z DIODE	
D6664	1SS355W-X	DIODE	
D6671	UDZW20B-X	Z DIODE	
D6672	UDZW20B-X	Z DIODE	
D6673	UDZW20B-X	Z DIODE	
D6674	UDZW20B-X	Z DIODE	
C6201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6202	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C6203	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C6204	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6501	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C6502	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C6503	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6504	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6505	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C6506	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C6507	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C6508	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6611	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6622	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6623	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6626	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6627	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6628	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6629	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6668	NCB31HK-561X	C CAPACITOR	560pF 50V K
C6669	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C6670	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6673	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6675	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6676	NCB31HK-561X	C CAPACITOR	560pF 50V K
C6677	NCB31HK-561X	C CAPACITOR	560pF 50V K
C6678	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C6679	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6681	NCB31HK-561X	C CAPACITOR	560pF 50V K
C6682	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6684	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C6686	NCB31EK-104X	C CAPACITOR	0.1uF 25V K

△Ref No.	Part No.	Part Name	Description Local
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R6203	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R6204	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6501	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R6502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6504	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R6505	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6506	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6507	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6613	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J
R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J
R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6674	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6675	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
L6661	NQLC8CM-560X	COIL	56uH M
L6662	NQLC8CM-560X	COIL	56uH M
K6601	NQR0499-002X	FERRITE BEADS	
K6602	NQR0499-002X	FERRITE BEADS	
K6661	NQR0499-002X	FERRITE BEADS	
K6662	NQR0499-002X	FERRITE BEADS	
K6663	NQR0499-002X	FERRITE BEADS	
K6664	NQR0499-002X	FERRITE BEADS	

## SW P.W. BOARD ASS'Y (SFL-7210A-M2)

△Ref No.	Part No.	Part Name	Description Local
D7011	UDZW6.2B-X	Z DIODE	
C7011	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R7706	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7709	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
J7001	QNS0097-001	3.5 JACK	HEADPHONE
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
S7701	QSW1131-001Z	TACT SWITCH	CH-
S7702	QSW1131-001Z	TACT SWITCH	CH+
S7703	QSW1131-001Z	TACT SWITCH	MENU/OK
S7704	QSW1131-001Z	TACT SWITCH	INPUT
S7705	QSW1131-001Z	TACT SWITCH	VOL-
S7706	QSW1131-001Z	TACT SWITCH	VOL+
S7707	QSW1131-001Z	TACT SWITCH	POWER

## LED P.W. BOARD ASS'Y (SFL-8712A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC8751	S9648	PHOTO CONDUCTOR	
IC8752	GP1UM261RKVF	IR DETECT UNIT	
Q8705	RT1P440C-X	DIGI TRANSISTOR	
Q8706	RT1P440C-X	DIGI TRANSISTOR	
Q8707	RT1P440C-X	DIGI TRANSISTOR	
Q8708	RT1N241C-X	DIGI TRANSISTOR	
Q8709	RT1N241C-X	DIGI TRANSISTOR	
D8702	SEL5E20C-T	LED	POWER
D8706	UDZW6.8B-X	Z DIODE	
D8707	UDZW6.8B-X	Z DIODE	
C8751	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C8752	NEHL1CM-476X	E CAPACITOR	47uF 16V M
R8714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R8715	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R8716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R8717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R8727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8751	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R8752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8753	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R8754	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R8755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

## MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC9201	MIP2C20MSSCF	IC	
IC9301	LM393DR-X	IC	
IC9501	F9222L-F219	IC	
△IC9502	FA5500AN-W	IC	
△IC9551	UTCTL431-T	IC	
Q9001	2SC3928A/QR/-X	TRANSISTOR	
Q9002	2SC3928A/QR/-X	TRANSISTOR	
Q9501	2SK3522-01-F1	POWER MOS FET	
Q9502	2SC3928A/QR/-X	TRANSISTOR	
Q9503	2SC3928A/QR/-X	TRANSISTOR	
Q9504	UN2213-X	DIGI TRANSISTOR	
Q9505	UN2212-X	DIGI TRANSISTOR	
Q9506	UN2212-X	DIGI TRANSISTOR	
Q9507	2SB1188/QR/-W	TRANSISTOR	
Q9508	UN2212-X	DIGI TRANSISTOR	
Q9531	2SC3928A/QR/-X	TRANSISTOR	
Q9532	2SB1188/QR/-W	TRANSISTOR	
Q9533	UN2212-X	DIGI TRANSISTOR	
Q9534	UN2213-X	DIGI TRANSISTOR	
Q9535	UN2213-X	DIGI TRANSISTOR	
Q9536	2SA1530A/QR/-X	TRANSISTOR	
Q9537	2SA1530A/QR/-X	TRANSISTOR	
Q9551	UN2212-X	DIGI TRANSISTOR	
Q9552	UN2212-X	DIGI TRANSISTOR	
△D9001	D25XB60	BRIDGE DIODE	
D9002	MA111-X	SI DIODE	
D9003	MA111-X	SI DIODE	
D9202	MA8047-X	Z DIODE	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
D9203	EG01C-T2	SI DIODE			△R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
D9204	D1FL20U-X	SI DIODE			R9002	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
D9205	UTCTL431-T	IC			R9003	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
D9206	EC21QS10-X	SB DIODE			R9004	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
D9208	D1FL20U-X	SI DIODE			R9005	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
D9212	EM1A-LFF4	SI DIODE			△R9006	QRZ9058-8R2	FUSI RESISTOR	8.2Ω	
D9213	EM1A-LFF4	SI DIODE			R9201	NRS12BJ-563W	MG RESISTOR	56kΩ 1/2W J	
D9214	EM1A-LFF4	SI DIODE			R9202	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
D9215	MA8330/M/-X	Z DIODE			R9203	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
D9216	MA8330/M/-X	Z DIODE			R9204	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J	
D9301	MA8091/M/-X	Z DIODE			R9205	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
D9302	MA111-X	SI DIODE			R9206	NRS12BJ-104W	MG RESISTOR	100kΩ 1/2W J	
D9501	YG972S6R	SI DIODE			R9207	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
D9502	D1FL20U-X	SI DIODE			R9208	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
D9503	MA111-X	SI DIODE			R9209	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
D9504	MA111-X	SI DIODE			△R9210	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
D9505	D1FL20U-X	SI DIODE			R9211	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
D9506	MA111-X	SI DIODE			R9212	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
D9507	MA8100/M/-X	Z DIODE			R9213	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
D9508	MA111-X	SI DIODE			R9214	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
D9531	D1FS4-X	SB DIODE			R9215	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
D9532	MA111-X	SI DIODE			R9216	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
D9533	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J		R9217	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
D9534	SD883-04-X	IC			R9219	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
D9535	PTZ27B-X	Z DIODE			R9230	NRS12BJ-104W	MG RESISTOR	100kΩ 1/2W J	
D9536	PTZ27B-X	Z DIODE			R9301	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
D9537	1SS355W-X	DIODE			R9302	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
D9550	FCH20A10	SB DIODE			R9303	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
D9551	FCH20A10	SB DIODE			R9304	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
D9552	FCH20A10	SB DIODE			R9305	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
D9553	FCH20A10	SB DIODE			R9306	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
△C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K		R9501	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
△C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K		R9502	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
△C9003	QCZ9071-152	C CAPACITOR	1500pF AC400V M		R9503	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J	
△C9004	QCZ9071-152	C CAPACITOR	1500pF AC400V M		R9504	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J	
△C9006	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M		R9505	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J	
△C9007	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M		R9506	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
△C9008	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M		R9507	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
△C9009	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M		R9508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C9204	QE20709-106	E CAPACITOR	10uF 450V M		R9509	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C9205	QFP32JK-222	PP CAPACITOR	2200pF 630V K		R9510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C9206	QEHR1HM-105Z	E CAPACITOR	1uF 50V M		R9511	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
C9207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9512	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
C9207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R9513	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J	
C9208	NCB31HK-222X	C CAPACITOR	2200pF 50V K		R9514	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
△C9209	QCZ9071-102	C CAPACITOR	1000pF AC400V M		R9515	NRSA63D-274X	MG RESISTOR	270kΩ 1/16W D	
C9210	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9516	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J	
C9210	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R9517	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J	
C9211	QECR1CM-477Z	E CAPACITOR	470uF 16V M		R9518	NRS181J-394X	MG RESISTOR	390kΩ 1/8W J	
C9212	QEHR1AM-337Z	E CAPACITOR	330uF 10V M		R9519	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J	
C9219	QEHR1VM-107Z	E CAPACITOR	100uF 35V M		R9520	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C9301	NEHM1HM-105X	E CAPACITOR	1uF 50V M		R9521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C9302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R9522	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C9303	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R9523	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C9304	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R9524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C9501	QE20739-337	E CAPACITOR	330uF		R9525	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J	
C9502	QCZ0340-331	C CAPACITOR	330pF 2kV K		R9526	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
C9503	QFZ0231-225	MPP CAPACITOR	2.2uF		R9527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C9504	NCB31HK-222X	C CAPACITOR	2200pF 50V K		R9528	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C9505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R9529	NRS12BJ-221W	MG RESISTOR	220Ω 1/2W J	
C9506	NCB21HK-104X	C CAPACITOR	0.1uF 50V K		R9530	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J	
C9507	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R9531	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
C9508	QEHR1VM-476Z	E CAPACITOR	47uF 35V M		R9532	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C9509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R9533	NRSA02J-180X	MG RESISTOR	18Ω 1/10W J	
C9510	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9534	QRK126J-271X	UNF C RESISTOR	270Ω 1/2W J	
C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M		R9535	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J	
C9512	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9536	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C9512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R9537	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C9531	NCB31HK-331X	C CAPACITOR	330pF 50V K		R9538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C9532	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R9539	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C9533	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R9540	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C9534	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9541	QRT02EJ-1R0X	MF RESISTOR	1Ω 2W J	
C9534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R9542	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
C9535	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9543	NRSA02J-562X	MG RESISTOR	5.6kΩ 1/10W J	
C9535	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R9544	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C9536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R9545	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
C9537	NCB31HK-331X	C CAPACITOR	330pF 50V K		R9547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C9538	NCB11AK-106X	C CAPACITOR	10uF 10V K		R9548	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C9539	QEHR1HM-226Z	E CAPACITOR	22uF 50V M		R9549	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C9540	QFZ0230-563	MPP CAPACITOR	0.056uF		R9553	NRS12BJ-222W	MG RESISTOR	2.2kΩ 1/2W J	
C9541	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R9554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
△C9542	QCZ9071-102	C CAPACITOR	1000pF AC400V M		R9555	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
C9551	QECQ1VM-128	E CAPACITOR	1200uF 35V M		R9556	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
C9552	QECQ1VM-128	E CAPACITOR	1200uF 35V M		R9557	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
C9553	QECQ1VM-128	E CAPACITOR	1200uF 35V M		R9558	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
C9560	QECQ1VM-128	E CAPACITOR	1200uF 35V M		R9559	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
C9561	QECQ1VM-128	E CAPACITOR	1200uF 35V M		R9560	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
C9562	NCB11HK-474X	C CAPACITOR	0.47uF 50V K		R9561	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
					R9568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R9570	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R9571	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	C9607	NCB31HK-222X	C CAPACITOR	2200pF 50V K
R9572	NRSA02J-562X	MG RESISTOR	5.6kΩ 1/10W J	C9608	NCB31HK-332X	C CAPACITOR	3300pF 50V K
R9574	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	C9610	NEHM1HM-105X	E CAPACITOR	1uF 50V M
R9575	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	C9611	QEHROJM-108Z	E CAPACITOR	1000uF 6.3V M
L9201	QQL26AM-5R6Z	CHOKO COIL	5.6uH M	C9651	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
L9501	QQR1468-001	CHOKO COIL		C9652	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
L9502	QQR1513-001	CHOKO COIL		C9653	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
△T9201	QQS0363-002	SW TRANSF		C9654	NDC31HJ-270X	C CAPACITOR	27pF 50V J
△T9501	QQS0347-003	SW TRANSF		C9655	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△T9502	QQS0347-003	SW TRANSF		C9656	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9201	QMFZ052-2R0-E	FUSE	2A AC250V	C9658	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
△CP9501	QMFZ043-2R0Z-J1	FUSE	2A AC250V	C9660	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
△F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	C9662	NCJ11HK-105X-U	C CAPACITOR	1uF 50V K
K9201	NQR0499-001X	FERRITE BEADS		C9701	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
K9502	QQR0621-002Z	FERRITE BEADS		C9702	QEHROJM-228Z	E CAPACITOR	2200uF 6.3V M
K9503	QQR0621-002Z	FERRITE BEADS		C9703	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
K9552	NQR0499-002X	FERRITE BEADS		C9704	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
K9553	NQR0499-002X	FERRITE BEADS		C9705	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
K9554	NQR0499-002X	FERRITE BEADS		C9706	NDC31HJ-101X	C CAPACITOR	100pF 50V J
K9555	NQR0499-002X	FERRITE BEADS		C9707	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
K9556	NQR0499-002X	FERRITE BEADS		C9708	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
K9557	NQR0499-002X	FERRITE BEADS		C9751	NCB31CK-184X	C CAPACITOR	0.18uF 16V K
△LF9001	QQR1655-001	LINE FILTER		C9752	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
△LF9002	QQR1281-005	LINE FILTER		C9753	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
△LF9003	QQR1654-001	LINE FILTER		C9754	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
△PC9201	PS2581AL2/QW/-W	PHOTO COUPLER		C9755	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
△PC9202	PS2581AL2/QW/-W	PHOTO COUPLER		C9756	NDC31HJ-101X	C CAPACITOR	100pF 50V J
△PC9501	PS2581AL2/QW/-W	PHOTO COUPLER		C9757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
△PC9502	PS2581AL2/QW/-W	PHOTO COUPLER		C9758	QEHROJM-228Z	E CAPACITOR	2200uF 6.3V M
△PC9503	PS2581AL2/QW/-W	PHOTO COUPLER		C9801	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
△RY9001	QSK0162-001	RELAY		C9802	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
△RY9002	QSK0162-001	RELAY		C9803	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
△VA9001	QAF0060-621	VARISTOR	620V	C9804	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
				C9805	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
				C9806	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
				C9808	NDC31HJ-101X	C CAPACITOR	100pF 50V J
				C9809	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C9810	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9811	QEHROJM-108Z	E CAPACITOR	1000uF 6.3V M
				C9851	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9852	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9853	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9854	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9855	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
				C9856	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
				C9901	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9902	NEHM1EM-336X	E CAPACITOR	33uF 25V M
				C9903	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
				C9904	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
				C9911	NBZ0017-106X	SP E CAPACITOR	10uF 25V M
				C9972	NEHMOJM-107X	E CAPACITOR	100uF 6.3V M

## DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC9601	MP2363DN-X	IC		R9602	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
IC9602	AL1014-X	IC		R9603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
IC9701	MP2363DN-X	IC		R9604	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D
IC9751	MP2363DN-X	IC		R9605	NRSA63D-334X	MG RESISTOR	330kΩ 1/16W D
IC9801	MP2363DN-X	IC		R9606	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
IC9851	PQ090DNA1Z-X	IC		R9607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
IC9852	PQ090DNA1Z-X	IC		R9608	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
IC9901	PQ20WZ11-X	IC		R9609	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
Q9601	2SC3928A/QR/-X	TRANSISTOR		R9610	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
Q9651	2SC3928A/QR/-X	TRANSISTOR		R9652	NRZ0096-R020X	MP RESISTOR	0.02Ω
Q9652	FDS9435A-X	POWER MOS FET		R9653	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
Q9653	2SC3928A/QR/-X	TRANSISTOR		R9654	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
Q9654	2SC3928A/QR/-X	TRANSISTOR		R9655	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
Q9801	2SC3928A/QR/-X	TRANSISTOR		R9656	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
Q9904	2SB1188/QR/-W	TRANSISTOR		R9657	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
Q9905	UN2213-X	DIGI TRANSISTOR		R9658	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
D9601	EC30HA04-X	SB DIODE		R9659	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
D9602	MA111-X	SI DIODE		R9661	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
D9603	MA8030/H/-X	Z DIODE		R9662	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9604	PTZ6.8B-X	Z DIODE		R9663	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9605	EC30HA04-X	SB DIODE		R9664	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
D9606	EC30HA04-X	SB DIODE		R9668	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9652	CMS05-W	SB DIODE		R9669	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
D9653	CMS05-W	SB DIODE		R9670	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
D9654	PTZ6.8B-X	Z DIODE		R9688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
D9655	MA111-X	SI DIODE		R9701	NRSA02J-181X	MG RESISTOR	180Ω 1/10W J
D9701	EC30HA03L-X	SB DIODE		R9703	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9702	EC30HA03L-X	SB DIODE		R9704	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
D9703	PTZ3.9B-X	Z DIODE		R9707	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
D9751	EC30HA03L-X	SB DIODE		R9710	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
D9752	EC30HA03L-X	SB DIODE		R9711	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
D9753	PTZ3.9B-X	Z DIODE		R9712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
D9801	EC30HA04-X	SB DIODE		R9751	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9802	EC30HA04-X	SB DIODE		R9752	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
D9803	MA111-X	SI DIODE		R9753	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
D9804	PTZ6.8B-X	Z DIODE		R9754	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D
D9901	D1FS4-X	SB DIODE		R9755	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
D9905	MA111-X	SI DIODE		R9756	NRSA02J-181X	MG RESISTOR	180Ω 1/10W J
C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K				
C9602	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K				
C9603	NCB31HK-103X	C CAPACITOR	0.01uF 50V K				
C9604	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K				
C9605	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K				
C9606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R9757	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J	R9003	QRX01GJ-R82	MF RESISTOR	0.82Ω	1W J
R9801	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	R9004	QRL029J-473	OMF RESISTOR	47kΩ	2W J
R9802	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9006	QRE121J-102Y	C RESISTOR	1kΩ	1/2W J
R9803	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J	R9008	QRE121J-564Y	C RESISTOR	560kΩ	1/2W J
R9804	NRSA63D-563X	MG RESISTOR	56kΩ	1/16W D	R9009	QRL039J-220	OMF RESISTOR	22Ω	3W J
R9805	NRSA63D-274X	MG RESISTOR	270kΩ	1/16W D	R9010	QRE121J-101Y	C RESISTOR	100Ω	1/2W J
R9806	NRSA63D-103X	MG RESISTOR	10kΩ	1/16W D	R9011	QRE141J-332Y	C RESISTOR	3.3kΩ	1/4W J
R9807	NRSA63J-682X	MG RESISTOR	6.8kΩ	1/16W J	R9012	QRE141J-102Y	C RESISTOR	1kΩ	1/4W J
R9808	NRSA63J-182X	MG RESISTOR	1.8kΩ	1/16W J	R9021	QRF074K-3R3	UNF VVW RESISTOR	3.3Ω	7W K
R9809	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	R9022	QRE121J-224Y	C RESISTOR	220kΩ	1/2W J
R9813	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	R9023	QRE121J-224Y	C RESISTOR	220kΩ	1/2W J
R9815	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	R9024	QRE141J-473Y	C RESISTOR	47kΩ	1/4W J
R9816	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J	R9050	QRG01GJ-821	OMF RESISTOR	820Ω	1W J
R9901	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	R9051	QRE141J-102Y	C RESISTOR	1kΩ	1/4W J
R9902	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9053	QRE141J-123Y	C RESISTOR	12kΩ	1/4W J
R9903	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J	R9055	QRA14CF-1802Y	CMF RESISTOR	18kΩ	1/4W F
R9910	NRSA63D-183X	MG RESISTOR	18kΩ	1/16W D	R9057	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ	1/4W F
R9914	NRSA63D-681X	MG RESISTOR	680Ω	1/16W D	R9059	QRE141J-102Y	C RESISTOR	1kΩ	1/4W J
R9915	NRSA63D-682X	MG RESISTOR	6.8kΩ	1/16W D	R9060	QRL029J-152	OMF RESISTOR	1.5kΩ	2W J
R9918	NRS12BJ-221W	MG RESISTOR	220Ω	1/2W J	R9071	QRG01GJ-821	OMF RESISTOR	820Ω	1W J
R9924	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	L9056	QQL01BK-101Z	PEAKING COIL	100uH	K
R9925	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	△T9001	QQS0341-001	SW TRANSF		
R9926	NRSA02J-222X	MG RESISTOR	2.2kΩ	1/10W J					
R9971	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
R9973	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
R9976	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J					
L9602	NQLC8CM-150X	COIL		15uH M					
L9652	NQL63EM-150X	COIL		15uH M					
L9701	NQLC8CM-150X	COIL		15uH M					
L9751	NQLC8CM-150X	COIL		15uH M					
L9802	NQLC8CM-150X	COIL		15uH M					
L9803	NQR0562-003X	CHOKE COIL							
L9972	NQR0562-003X	CHOKE COIL							
K9651	NQR0413-001X	FERRITE BEADS							
K9652	NQR0413-001X	FERRITE BEADS							
K9653	NQR0413-001X	FERRITE BEADS							

## DIGITAL P.W. BOARD ASS'Y (SFL0D189A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5068	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6101	EDD1232AFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC6724	S-80928CLNB-G-W	IC		
IC6901	R1141Q331B-X	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7201	39VF800A7IEKD80	IC(MICRO C ROM)		
IC7203	HY57V161610ETP7	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7601	M306V7MG-153FP	IC(MCU)		
IC7602	ATF16-40X667S	IC(DIGITAL)	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6207	2SC3837K/NP/-X	TRANSISTOR		
Q6208	2SC3837K/NP/-X	TRANSISTOR		
Q6209	2SC3837K/NP/-X	TRANSISTOR		
Q6210	2SC3837K/NP/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q6501	2SC3928A/QR/-X	TRANSISTOR		
Q6502	2SC3928A/QR/-X	TRANSISTOR		
Q7030	RT1N441C-X	TRANSISTOR		
Q7032	RT1P441C-X	DIGI TRANSISTOR		
Q7033	RT1P441C-X	DIGI TRANSISTOR		
Q7034	RT1P441C-X	DIGI TRANSISTOR		

## SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC9001	STR-W6765-F5	IC		
IC9051	TL431/A-T	IC		
D9001	MTZJ33B-T2	Z DIODE		
D9004	FR105GT-T3	SI DIODE		
D9005	1SS133-T2	SI DIODE		
D9006	FR105GT-T3	SI DIODE		
D9008	SARS01-T2	FR DIODE		
D9009	SARS01-T2	FR DIODE		
D9011	1SS133-T2	SI DIODE		
D9021	D2SBA60	BRIDGE DIODE		
D9022	FR105GT-T3	SI DIODE		
D9023	1SS133-T2	SI DIODE		
D9051	RU3AM-LFC4	SI DIODE		
D9053	FMX-22S	SI DIODE		
D9054	FR105GT-T3	SI DIODE		
D9055	MTZJ33B-T2	Z DIODE		
D9056	RK14-T3	SB DIODE		
D9071	RU3AM-LFC4	SI DIODE		
C9001	QEZO802-687	E CAPACITOR	680uF	
C9002	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9003	QCZ0354-471Z	C CAPACITOR	470pF 2kV K	
C9004	QCS31HJ-471Z	C CAPACITOR	470pF 50V J	
C9006	QCB31HK-152Z	C CAPACITOR	1500pF 50V K	
C9008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C9010	QEHR1HM-335Z	E CAPACITOR	3.3uF 50V M	
C9011	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9012	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
△C9024	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M	
C9051	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9054	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9055	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9057	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C9060	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9061	QECQ1CM-128	E CAPACITOR	1200uF 16V M	
C9072	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9073	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9076	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9078	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J	
△C9903	QCZ9079-471	C CAPACITOR	470pF AC250V K	
R9001	QRK126J-221X	UNF C RESISTOR	220Ω	1/2W J
R9002	QRX01GJ-R39	MF RESISTOR	0.39Ω	1W J

ΔRef No.	Part No.	Part Name	Description	Local	ΔRef No.	Part No.	Part Name	Description	Local
Q7035	RT1P441C-X	DIGI TRANSISTOR			C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q7501	RT1N441C-X	TRANSISTOR			C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q9501	RT1N441C-X	TRANSISTOR			C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q9502	2SC3928A/QR/-X	TRANSISTOR			C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q9503	2SC3928A/QR/-X	TRANSISTOR			C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D6503	1SS355W-X	DIODE			C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D7502	1SS355W-X	DIODE			C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
D9001	EC30HA03L-X	SB DIODE			C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
D9002	EC30HA03L-X	SB DIODE			C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
D9003	PTZ3.9B-X	Z DIODE			C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
D9201	EC30HA03L-X	SB DIODE			C6299	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D9202	EC30HA03L-X	SB DIODE			C6300	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D9203	PTZ3.9B-X	Z DIODE			C6301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D9204	1SS355W-X	DIODE			C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
D9501	1SS355W-X	DIODE			C6521	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D9502	1SS355W-X	DIODE			C6522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
					C6523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C6525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6573	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M		C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K		C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K		C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K		C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K		C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K		C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K		C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K		C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6901	NB20007-107X	SP E CAPACITOR	100uF 4V M	C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K
C6929	NCB31AK-105X	C CAPACITOR	1uF 10V K				
C7030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7034	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7040	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J

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△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	RA7202	NRZ0080-473X	NET RESISTOR	47kΩ
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA7203	NRZ0080-473X	NET RESISTOR	47kΩ
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	RA7204	NRZ0080-473X	NET RESISTOR	47kΩ
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA7205	NRZ0080-473X	NET RESISTOR	47kΩ
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7503	NQR0271-004X	EMI FILTER	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7619	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6102	NQL79GM-220X	COIL	22uH M
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6103	NQL79GM-220X	COIL	22uH M
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6115	NQR0499-001X	FERRITE BEADS	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6265	NQR0499-001X	FERRITE BEADS	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L6266	NQR0499-001X	FERRITE BEADS	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6531	NQR0199-007X	FERRITE BEADS	
R7644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6701	NQR0413-003X	FERRITE BEADS	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6911	NQR0499-001X	FERRITE BEADS	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6912	NQR0499-001X	FERRITE BEADS	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6922	NQL79GM-220X	COIL	22uH M
R7659	NRSA63J-560X	MG RESISTOR	56kΩ 1/16W J	L6924	NQL79GM-220X	COIL	22uH M
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6925	NQL79GM-220X	COIL	22uH M
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6931	NQR0499-001X	FERRITE BEADS	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L9001	NQLC8CM-150X	COIL	15uH M
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L9201	NQLC8CM-150X	COIL	15uH M
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L9306	NQR0351-003X	FERRITE BEADS	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L9307	NQR0351-003X	FERRITE BEADS	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	K6271	NQR0499-001X	FERRITE BEADS	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6272	NQR0499-001X	FERRITE BEADS	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	K6274	NQR0499-001X	FERRITE BEADS	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K7211	NQR0499-002X	FERRITE BEADS	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	K7501	NQR0413-002X	FERRITE BEADS	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	LC6501	NQR0479-001X	EMI FILTER	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	X6250	NAX0580-001X	CXO	27.000MHz
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				

△Ref No.	Part No.	Part Name	Description	Local
X7001	NAX0669-001X	C RESONATOR	6.000MHz	
X7601	NAX0613-001X	C RESONATOR	16.000MHz	

**ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)**

△Ref No.	Part No.	Part Name	Description	Local
△MD001	SSD-2204A-M2	ATSC TUNER MODULE PWB		

# PRINTED WIRING BOARD PARTS LIST [LT-40X787/s]

## ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

## SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## SW P.W. BOARD ASS'Y (SFL-7210A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## LED P.W. BOARD ASS'Y (SFL-8712A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

## DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## DIGITAL P.W. BOARD ASS'Y (SFL0D186A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC6001	JCC5068	IC	
IC6002	SN74LVC1G08V-X	IC	
IC6101	EDD1232AAFA-6B	IC	
IC6102	LP2996MR-X	IC	
IC6250	UPC5702GS-027-X	IC	
IC6251	R1170H331B-X	IC	
IC6502	THC63LVDM83R-W	IC	
IC6724	S-80928CLNB-G-W	IC	
IC6901	R1141Q331B-X	IC	
IC7033	CD74HC4094PW-X	IC	
IC7036	ADC081S021CIS-X	IC	
IC7201	39VF800A7IEKD80	IC(MICRO C ROM)	
IC7203	M12L16161A-77G	IC	
IC7204	S-80928CLNB-G-W	IC	
IC7601	M306V7MG-153FP	IC(MCU)	
IC7602	ATF16-40X787S	IC(DIGITAL)	(SERVICE)
IC7603	SN74AHCT1G08V-X	IC	
IC7604	SN74LVC1G04V-X	IC	
IC7605	MM1673XN-X	IC	
IC7606	MM1673XN-X	IC	
IC9001	MP2263DN-C053-X	IC	
IC9101	MM1662FT-X	IC	
IC9201	MP2263DN-C053-X	IC	
IC9301	MM1701CH-X	IC	
Q6201	2SA1530A/QR/-X	TRANSISTOR	
Q6202	2SA1530A/QR/-X	TRANSISTOR	
Q6203	2SA1022/BC/-X	TRANSISTOR	
Q6204	2SA1022/BC/-X	TRANSISTOR	
Q6205	2SA1022/BC/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q6206	2SA1022/BC/-X	TRANSISTOR	
Q6207	2SC3837K/NP/-X	TRANSISTOR	
Q6208	2SC3837K/NP/-X	TRANSISTOR	
Q6209	2SC3837K/NP/-X	TRANSISTOR	
Q6210	2SC3837K/NP/-X	TRANSISTOR	
Q6211	2SC3837K/NP/-X	TRANSISTOR	
Q6212	2SC3837K/NP/-X	TRANSISTOR	
Q6213	2SC3837K/NP/-X	TRANSISTOR	
Q6214	2SC3837K/NP/-X	TRANSISTOR	
Q6250	2SC3928A/QR/-X	TRANSISTOR	
Q6251	2SC3928A/QR/-X	TRANSISTOR	
Q6501	2SC3928A/QR/-X	TRANSISTOR	
Q6502	2SC3928A/QR/-X	TRANSISTOR	
Q7030	RT1N441C-X	TRANSISTOR	
Q7032	RT1P441C-X	DIGI TRANSISTOR	
Q7033	RT1P441C-X	DIGI TRANSISTOR	
Q7034	RT1P441C-X	DIGI TRANSISTOR	
Q7035	RT1P441C-X	DIGI TRANSISTOR	
Q7501	RT1N441C-X	TRANSISTOR	
Q9501	RT1N441C-X	TRANSISTOR	
Q9502	2SC3928A/QR/-X	TRANSISTOR	
Q9503	2SC3928A/QR/-X	TRANSISTOR	
D6503	1SS355W-X	DIODE	
D7502	1SS355W-X	DIODE	
D9001	EC30HA03L-X	SB DIODE	
D9002	EC30HA03L-X	SB DIODE	
D9003	PTZ3.9B-X	Z DIODE	
D9201	EC30HA03L-X	SB DIODE	
D9202	EC30HA03L-X	SB DIODE	
D9203	PTZ3.9B-X	Z DIODE	
D9204	1SS355W-X	DIODE	
D9501	1SS355W-X	DIODE	
D9502	1SS355W-X	DIODE	
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K

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△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6332	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
				R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

3-24(No.YA430)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	K6271	NQR0499-001X	FERRITE BEADS	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	K6272	NQR0499-001X	FERRITE BEADS	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	K6274	NQR0499-001X	FERRITE BEADS	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	K7211	NQR0499-002X	FERRITE BEADS	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	K7501	NQR0413-002X	FERRITE BEADS	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	LC6501	NQR0479-001X	EMI FILTER	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	X6250	NAX0580-001X	CXO	27.0000MHz
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	X7001	NAX0669-001X	C RESONATOR	6.000MHz
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	X7601	NAX0613-001X	C RESONATOR	16.000MHz
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4				
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J				
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4				
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4				
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J				
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4				
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J				
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J				
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4				
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4				
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4				
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4				
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7503	NQR0271-004X	EMI FILTER					
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4				
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L6102	NQL79GM-220X	COIL	22uH M				
L6103	NQL79GM-220X	COIL	22uH M				
L6115	NQR0499-001X	FERRITE BEADS					
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L6265	NQR0499-001X	FERRITE BEADS					
L6266	NQR0499-001X	FERRITE BEADS					
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6531	NQR0199-007X	FERRITE BEADS					
L6701	NQR0413-003X	FERRITE BEADS					
L6911	NQR0499-001X	FERRITE BEADS					
L6912	NQR0499-001X	FERRITE BEADS					
L6922	NQL79GM-220X	COIL	22uH M				
L6924	NQL79GM-220X	COIL	22uH M				
L6925	NQL79GM-220X	COIL	22uH M				
L6931	NQR0499-001X	FERRITE BEADS					
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L9001	NQLC8CM-150X	COIL	15uH M				
L9201	NQLC8CM-150X	COIL	15uH M				
L9306	NQR0351-003X	FERRITE BEADS					
L9307	NQR0351-003X	FERRITE BEADS					
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)				
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)				
J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1				
J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2				

## ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [LT-40X887/s]

ANALOG P.W. BOARD ASS'Y (SFL-1312A-M2)

REFER TO PARTS LIST IN PAGE 3-8 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SFL-1305A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

OPTICAL P.W. BOARD ASS'Y (SFL-2501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

D-AMP P.W. BOARD ASS'Y (SFL-6302A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

SW P.W. BOARD ASS'Y (SFL-7210A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (SFL-8712A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

MAIN POWER P.W. BOARD ASS'Y (SFL-9060A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

DC-DC P.W. BOARD ASS'Y (SFL-9161A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

SUB POWER P.W. BOARD ASS'Y (SFL-9711A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SFL0D171A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC6001	JCC5068	IC	
IC6002	SN74LVC1G08V-X	IC	
IC6101	EDD1232AAFA-6B	IC	
IC6102	LP2996MR-X	IC	
IC6250	UPC5702GS-027-X	IC	
IC6251	R1170H331B-X	IC	
IC6502	THC63LVD83R-W	IC	
IC6724	S-80928CLNB-G-W	IC	
IC6901	R1141Q331B-X	IC	
IC7033	CD74HC4094PW-X	IC	
IC7036	ADC081S021CIS-X	IC	
IC7201	39VF800A7IEKD80	IC(MICRO C ROM)	
IC7203	M12L16161A-7TG	IC	
IC7204	S-80928CLNB-G-W	IC	
IC7601	M306V7MG-153FP	IC(MCU)	
IC7602	ATF16-40X887S	IC(DIGITAL)	(SERVICE)
IC7603	SN74AHCT1G08V-X	IC	
IC7604	SN74LVC1G04V-X	IC	
IC7605	MM1673XN-X	IC	
IC7606	MM1673XN-X	IC	
IC9001	MP2263DN-C053-X	IC	
IC9101	MM1662FT-X	IC	
IC9201	MP2263DN-C053-X	IC	
IC9301	MM1701CH-X	IC	
Q6201	2SA1530A/QR/-X	TRANSISTOR	
Q6202	2SA1530A/QR/-X	TRANSISTOR	
Q6203	2SA1022/BC/-X	TRANSISTOR	
Q6204	2SA1022/BC/-X	TRANSISTOR	
Q6205	2SA1022/BC/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q6206	2SA1022/BC/-X	TRANSISTOR	
Q6207	2SC3837K/NP/-X	TRANSISTOR	
Q6208	2SC3837K/NP/-X	TRANSISTOR	
Q6209	2SC3837K/NP/-X	TRANSISTOR	
Q6210	2SC3837K/NP/-X	TRANSISTOR	
Q6211	2SC3837K/NP/-X	TRANSISTOR	
Q6212	2SC3837K/NP/-X	TRANSISTOR	
Q6213	2SC3837K/NP/-X	TRANSISTOR	
Q6214	2SC3837K/NP/-X	TRANSISTOR	
Q6250	2SC3928A/QR/-X	TRANSISTOR	
Q6251	2SC3928A/QR/-X	TRANSISTOR	
Q6501	2SC3928A/QR/-X	TRANSISTOR	
Q6502	2SC3928A/QR/-X	TRANSISTOR	
Q7030	RT1N441C-X	TRANSISTOR	
Q7032	RT1P441C-X	DIGI TRANSISTOR	
Q7033	RT1P441C-X	DIGI TRANSISTOR	
Q7034	RT1P441C-X	DIGI TRANSISTOR	
Q7035	RT1P441C-X	DIGI TRANSISTOR	
Q7501	RT1N441C-X	TRANSISTOR	
Q9501	RT1N441C-X	TRANSISTOR	
Q9502	2SC3928A/QR/-X	TRANSISTOR	
Q9503	2SC3928A/QR/-X	TRANSISTOR	
D6503	1SS355W-X	DIODE	
D7502	1SS355W-X	DIODE	
D9001	EC30HA03L-X	SB DIODE	
D9002	EC30HA03L-X	SB DIODE	
D9003	PTZ3.9B-X	Z DIODE	
D9201	EC30HA03L-X	SB DIODE	
D9202	EC30HA03L-X	SB DIODE	
D9203	PTZ3.9B-X	Z DIODE	
D9204	1SS355W-X	DIODE	
D9501	1SS355W-X	DIODE	
D9502	1SS355W-X	DIODE	
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K

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△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C7633	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9209	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6332	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6521	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	R6522	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
				R6525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

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△Ref No.	Part No.	Part Name	Description Local
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
RA6531	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ
RA7503	NQR0271-004X	EMI FILTER	
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6102	NQL79GM-220X	COIL	22uH M
L6103	NQL79GM-220X	COIL	22uH M
L6115	NQR0499-001X	FERRITE BEADS	
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6265	NQR0499-001X	FERRITE BEADS	
L6266	NQR0499-001X	FERRITE BEADS	
L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L6521	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6522	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6523	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6531	NQR0199-007X	FERRITE BEADS	
L6701	NQR0413-003X	FERRITE BEADS	
L6911	NQR0499-001X	FERRITE BEADS	
L6912	NQR0499-001X	FERRITE BEADS	
L6922	NQL79GM-220X	COIL	22uH M
L6924	NQL79GM-220X	COIL	22uH M
L6925	NQL79GM-220X	COIL	22uH M
L6931	NQR0499-001X	FERRITE BEADS	
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L9001	NQLC8CM-150X	COIL	15uH M
L9201	NQLC8CM-150X	COIL	15uH M
L9306	NQR0351-003X	FERRITE BEADS	
L9307	NQR0351-003X	FERRITE BEADS	
CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)
CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)
J8501	NNZ0117-001	CONNECTOR	DIGITAL IN-1
J8502	NNZ0117-001	CONNECTOR	DIGITAL IN-2

△Ref No.	Part No.	Part Name	Description Local
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6271	NQR0499-001X	FERRITE BEADS	
K6272	NQR0499-001X	FERRITE BEADS	
K6274	NQR0499-001X	FERRITE BEADS	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K7211	NQR0499-002X	FERRITE BEADS	
K7501	NQR0413-002X	FERRITE BEADS	
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K8505	NQR0413-002X	FERRITE BEADS	
K8510	NQR0413-002X	FERRITE BEADS	
LC6501	NQR0479-001X	EMI FILTER	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
X6250	NAX0580-001X	CXO	27.0000MHz
X7001	NAX0669-001X	C RESONATOR	6.000MHz
X7601	NAX0613-001X	C RESONATOR	16.000MHz

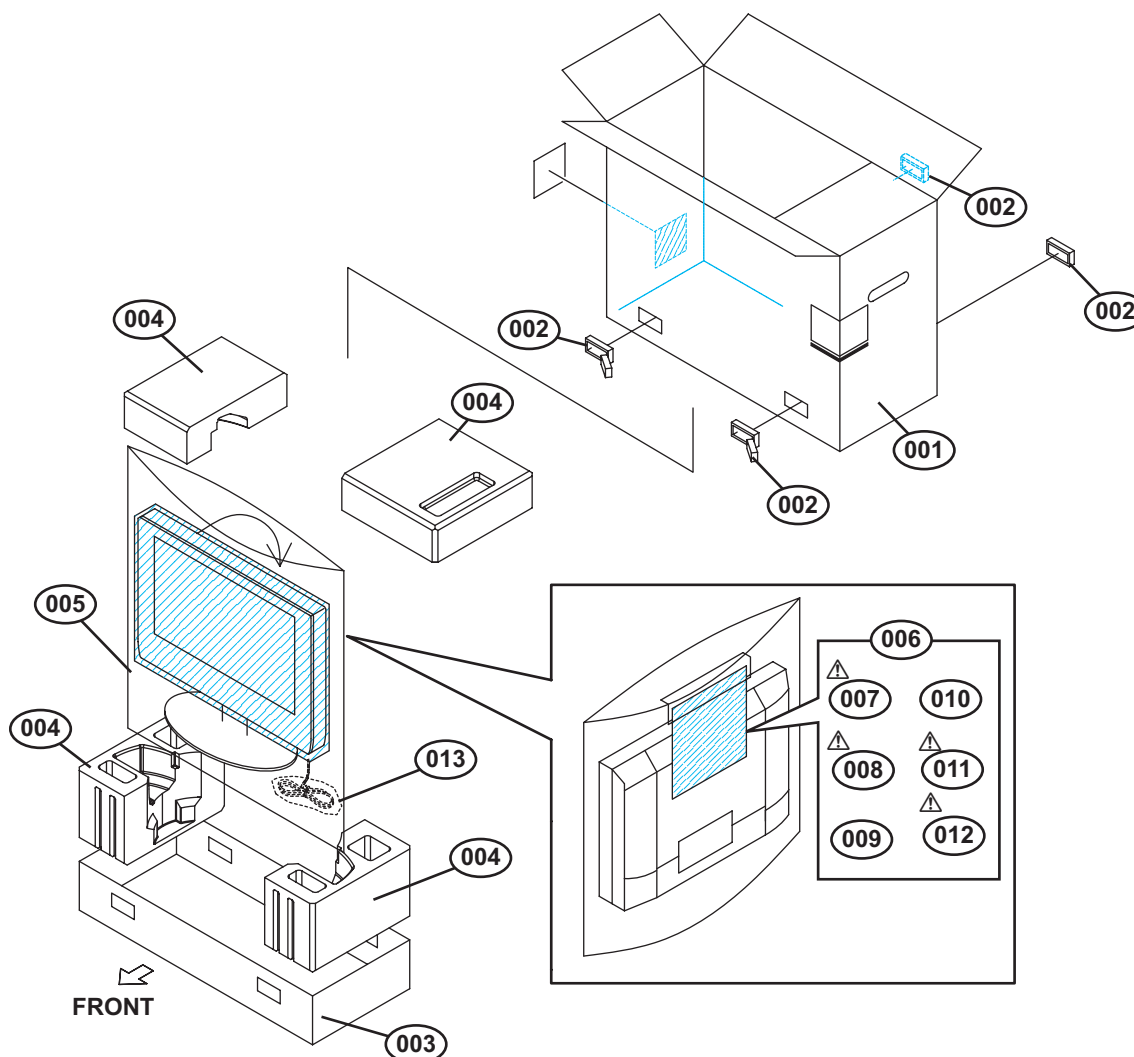
## ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2204A-M2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C18G-1H)

△ Ref.No.	Part No.	Part Name	Description	Local
	UR77EC1403A	BATTERY COVER		

## PACKING



## PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
001	LC21941-002A-A	PACKING CASE	TOP	
002	LC32958-001A	JOINT	(x4)	
003	LC21942-001A-A	PACKING CASE	BOTTOM	
004	LC12626-001A-A	CUSION ASSY	4pcs in 1set	
005	GQ30092-006A-A	POLY BAG		LT-40X667S
005	CP30974-001	POLY BAG		LT-40X787S,LT-40X887S
006	QPA02503505P	POLY BAG		
△ 007	-----	WARRANTY CARD		
△ 008	BT-51034-2Q	REGIST. CARD		
009	-----	BATTERY	R6P/AA(x2)	
010	RM-C18G-1H	REMOTE CONTROL UNIT		
△ 011	LCT2104-001B-A	INST BOOK	English	
△ 012	LCT2105-001B-A	INST BOOK	French	
013	QPA01002305	POLY BAG	10cm x 23cm	